

Breeding Bird Survey Report 2025

Lissinagroagh Wind Farm,
Co. Leitrim





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1. SUMMARY

Ornithological surveys have been undertaken at the site of Lissinagroagh Wind Farm, Manorhamilton, Co. Leitrim, since 2018. This report outlines the findings from surveys completed during the 2025 breeding season. The following surveys were undertaken:

- > Vantage Point Surveys (VPs)
- > Breeding Raptor Surveys

The key observations during surveys relate to breeding hen harrier. Hen harrier was recorded frequently, with multiple birds present on site. While a pair were present in an historically utilised territory, breeding was not confirmed in any areas.

2. INTRODUCTION

MKO was appointed to carry out ornithological surveys at Lissinagroagh Wind Farm, Manorhamilton, Co. Leitrim (hereafter 'the site'), for the 2025 breeding season. This report describes the survey methods and findings for the period April 2025 to September 2025 inclusive.

2.1 Site Description

The site is located north of Manorhamilton (Grid Ref: X 591484.00 Y 842226.00). The dominant habitat on site is forestry, upland blanket bog and rough grassland. The wider surroundings are predominantly upland blanket bog, rough grassland, forestry, and improved agricultural grassland.

2.2 Details of Proposed Development

Appendix 1 Figure 1.0 shows the wind farm site boundary, based on the most up to date 16 turbine layout at the time of preparing this report.

2.3 Purpose of this Report

This report describes the ornithological survey methods employed, and survey data collected at Lissinagroagh Wind Farm for the period April 2025 to September 2025 inclusive. It does not include an assessment or discussion of the potential impacts of the proposed development on birds. Instead, this report aims to provide robust baseline ornithological survey data for the breeding period. This data will be used to inform a separate ecological impact assessment and appropriate assessment for the proposed wind farm.

2.4 Relevant Legislation

The following key legislative provisions are applicable to wild birds in Ireland: Irish Wildlife Acts 1976 to 2022.; the European Union Birds Directive (EU Directive 2009/147/EC on the conservation of wild birds); the European Communities (Birds and Natural Habitats) Regulations 2011, as amended (S.I. no. 477 of 2011) and the International Convention on Wetlands of International Importance (the Ramsar Convention), 1971.

3. METHODS

3.1 Scope

3.1.1 Description of Study Area

The ornithology study area was defined as a 500m radius of the viable area for turbines (see Figure 1.0). This boundary accounts for both detecting birds that use the wind farm site occasionally and spatial inaccuracies in observational data, as well as ancillary structures. The ornithology study area was used for vantage point surveys, following Scottish Natural Heritage (SNH; now NatureScot) 2017 guidance (SNH, 2017) that flight activity surveys encompass an area extending 500m beyond the potential outermost proposed turbines. A 5km radius of the ornithology study area boundary was used for breeding raptor surveys, based on the core foraging range of hen harrier, which this area is known to support.

3.1.2 Ecological Features Considered

Ecological features considered in the scope of the surveys were the habitats present on the site and hinterland, as reviewed by aerial photography and reconnaissance visits, and the Special Protection Areas (SPA) designated under the Birds and Habitats (92/43/EEC) Directives Natura 2000 network within foraging range for Special Conservation Interest (SCI) species and/or 15km of the site. Bird species of conservation interest were also considered, including those listed on Annex I of the Birds Directive that occur in Ireland, species that are a SCI of SPAs within foraging range for SCI species and/or 15km of the site, species on the Red List of Birds of Conservation Concern in Ireland (Gilbert *et al.*, 2021) and all raptor species that occur in Ireland, because these species are particularly sensitive to wind farm developments.

3.1.3 Consultation

MKO undertook a consultation exercise to inform the scope of the surveys. Table 3-1 provides a list of the organisations consulted and notes where responses have been received.

Table 3-1 Consultation Response Summary

No.	Consultee	Response to Consultation
1	Birdwatch Ireland	No response at the time of writing
2	National Parks and Wildlife Service (NPWS)	Initial response received 18/06/2018. Confirmation received 30/12/2019 from NPWS that no more recent information was available.

3.2 Desk Study

A comprehensive desk study was undertaken in 2019, and updated during the preparation of this report, to search for any relevant information on species of conservation concern which potentially use the site. The assessment included a thorough review of the available ornithological data including:

- Review of sites designated for birds.
- Review of breeding bird atlases (Balmer *et al.*, 2013).
- Review of Birds of Conservation Concern (BoCCI) in Ireland 2020-2026 (Gilbert *et al.* 2021).
- Review of specially requested records from the NPWS Rare and Protected Species Database. An information request was sent to the NPWS requesting records from the Rare and Protected Species Database.
- Review of the 2022 National Survey of Breeding Hen Harrier in Ireland Report (Ruddock *et al.*, 2025).

3.3 Field Surveys

The approach to breeding bird surveys for the proposed wind farm is based on recommendations outlined in SNH (2017). This guidance is recognised as standard good practice guidance throughout the UK and Ireland for surveying birds to inform impact assessment for onshore wind farms. Field surveys were undertaken from April 2025 to September 2025 inclusive. Individual survey types are described below.

3.3.1 Flight Activity Surveys

Vantage point surveys were undertaken following the guidance of SNH (2017) from four vantage point locations during the 2025 breeding season. Vantage point surveys aim to quantify the flight activity of primary and secondary ‘target species’ within the study area. The main purpose of vantage point surveys is to collect data on primary target species that will enable estimates to be made of:

- The time spent flying over the site.
- The relative use by birds of different parts of the site.
- The proportion of flying time spent within the provisional upper and lower risk height limits as determined by the potential rotor diameter and rotor hub height.
- The analysis of the potential risk of collision of birds with rotating turbines.

Vantage Point Locations and Viewshed Analysis

Viewshed analysis was carried out to confirm the sufficiency of the chosen vantage point locations (VP1 at ITM X592930 Y842236, VP2 at ITM X592615 Y842428, VP3 at ITM X593496 Y843692 and VP4 at ITM X 590407 Y 840997). The initial viewshed analysis was conducted in 2018 and reviewed in 2020. Viewsheds were calculated using Resoft Wind Farm ZTV (Zone of Theoretical Visibility) software in combination with MapInfo Professional (Version 10.0) using a notional layer suspended at 25m, which is representative of the minimum height considered for the Potential Collision Risk Area based on the turbine model at the time the vantage point locations were selected. Note that while the relevance of being able to view as much of the site to ground level is acknowledged, the SNH guidance emphasises the importance of visibility of the ‘collision risk volume’ when the data is to be used to estimate the risk of collision with turbines by birds. Therefore, the viewshed analysis aims to identify the most suitable locations to site vantage points such that the airspace of the turbine rotor swept area is in view using the fewest possible number of vantage points. The vantage point locations were tested for visibility coverage by creating a viewshed point 1.75m in height (to represent the height of observer) on a map using 10m contours terrain data. The relative height of any surrounding trees and its effects on visibility is also accounted for in the analysis. Using the ZTV software, a viewshed of 360° was produced calculating an area 25m from ground level up to a 2km radius. The resulting viewshed image was then cropped to 180° to give the viewshed.

Survey Effort

A total of 36 hours of watches was undertaken at each of the four vantage point locations from April to September 2025 inclusive. This equates to a total of six hours per vantage point per month. Survey effort undertaken during the 2025 breeding season is summarised in Table 3-2 and full details are presented in Appendix 2 of this report, including dates, times, duration, and weather conditions. A map of the vantage point locations is provided in Appendix 1 Figure 1.1.

Table 3.2 Summary of vantage point survey effort undertaken at the proposed Lissinagroagh Wind Farm from April 2025 to September 2025.

	VP1 ITM ¹ X 592930 Y 842236	VP2 ITM X 592615 Y 842428	VP3 ITM X 593496 Y 843692	VP4 ITM X 590407 Y 840997
Month	Hours			
April	11/4/25 6 hours	10/4/25 6 hours	8/4/25 6 hours	9/4/25 6 hours
May	26/5/25 6 hours	28/5/25 6 hours	9/5/25 6 hours	8/5/25 6 hours
June	25/6/25 6 hours	20/6/25 6 hours	19/6/25 6 hours	28/6/25 6 hours
July	15/7/25 6 hours	23/7/25 6 hours	22/7/25 6 hours	27/7/25 6 hours
August	8/8/25 6 hours	9/8/25 6 hours	10/8/25 6 hours	11/8/25 6 hours
September	29/9/25 6 hours	16/9/25 3 hours 17/9/25 3 hours	26/9/25 6 hours	25/9/25 4 hours 29/9/25 2 hours
Total Hours	36	36	36	36

Primary Target Species

The target species for vantage point surveys were defined by legal and/or conservation status, following SNH (2017) guidance, which states that “*in most circumstances the target species will be limited to those species which are afforded a higher level of legislative protection.*” A list of primary target species was drawn from the following sources:

- Species that are SCIs of the SPAs within 15km of the site.
- Species listed on Annex I of the Birds Directive that occur in Ireland.
- Species listed on the Red List of Birds of Conservation Concern in Ireland (Gilbert *et al.*, 2021) with the exception of Red List passerines, as these are generally not significantly impacted by wind energy developments.

Secondary Target Species

SNH (2017) also states that “*local circumstances may indicate that survey information should also be acquired on other species, especially those of regional conservation concern.*” A list of secondary target species comprised:

- All raptors that occur in Ireland that are not included as primary target species.

Data Collection

Data on bird observations and flight activity was collected by the surveyor by scanning the arc of 180° and a 2km radius from the fixed location. Surveys were scheduled to provide a spread over the full daylight period including at dawn and dusk (starting or ending an hour before dawn or an hour after dusk on alternate months for April, May, August, and September) to coincide with the highest peaks of bird activity and to record any wildfowl migration or crepuscular species. Breaks of at least 30 minutes were taken every 3 hours to minimise observer fatigue. A 10-minute settling in period was allowed for at the start of each vantage point to allow the surveyor to get into place, and to minimise the impact of surveyor disturbance on flight activity. For each primary target species observation, the following details were recorded:

- Date, time, and location of observation.
- Number of species recorded.
- Total duration of flightline observation.

¹ Irish Transverse Mercator Co-Ordinates

- Duration at each of flightline at each height band.
- Species age and sex (where determinable).
- Habitat(s).
- Behaviour.

Recording height bands were determined based on the likely turbine specifications under consideration at the time of survey (upper tip height 175m and lower tip height 25m). Flight heights were attributed to four distinct height bands as follows:

- Band 1 = 0 - 15m (below the likely rotor swept area).
- Band 2 = 15 - 25m (potentially within the likely rotor swept area, at least in part).
- Band 3 = 25 - 175m (within the likely rotor swept area, potential collision height, PCH).
- Band 4 = >175m (above the likely rotor swept area).

Although recording of secondary species is subsidiary to recording of primary target species, secondary target species were also recorded to provide an index of flight activity for secondary target species within the site.

3.3.2 Breeding Raptor Surveys

Breeding raptor (i.e. birds of prey) surveys were undertaken to identify occupied raptor territories and ascertain whether breeding was successful. Surveys were carried out during the breeding season period from April to September 2025, with a particular focus on breeding hen harrier.

Methodology followed Hardey *et al.* (2013). Surveys involved a combination of raptor vantage point watches of 3 hours and transects in areas deemed most likely to hold breeding raptors based on habitat and observed movements of raptor species in the study area. There were 13 breeding raptor survey locations. If breeding activity was observed, vantage point and transect locations were adjusted with the aim of pinpointing breeding locations. Each breeding raptor survey location was visited four times to complete a full round of breeding season surveys. The purpose of the four visits is (1) to establish occupancy, (2) to establish active nests, (2) to check for chicks and (4) to check for fledglings. Timings of these visits vary by species as set out in Hardey *et al.* (2013). Survey effort is provided in Appendix 2 of this report, including dates, times, duration and weather conditions. A map of the breeding raptor survey locations is presented in Appendix 1 Figure 2.0.

3.4 Project Team

This report has been prepared by Andrew O'Donoghue (B.Sc.), Project Ornithologist and reviewed by Susan Doyle (PhD), Senior Ornithologist with MKO. Both are suitably qualified ornithologists with experience in completing avifaunal assessments and competent experts for the purposes of the preparation of this report, following SNH (2017) and CIEEM (2017) ecological reporting guidelines.

3.4.1 Field Survey Team

The field surveys were undertaken in the 2025 breeding season by Andrew O'Donoghue, Niall McHugh (B.Sc.), Cillian Murphy (Pg.D), Niamh Scanlon (B.Sc.), Kate Bismilla (B.Sc.) and Robert Vaughan (HND). Surveyors are all suitably qualified competent experts in field ornithology. All have experience in bird survey methods including vantage point, breeding raptor and breeding walkover surveys.

3.5 Survey Limitations

A suite of bird surveys was undertaken at the site between April and September 2025, as detailed in this report. There were no significant gaps in viewsheds during vantage point surveys. It was possible to schedule surveys to avoid potential human disturbances (e.g., forestry operations, agriculture, peat extraction, recreational activity). Surveys were not carried out in unsuitable weather conditions where visibility or bird

activity would be impacted. On occasions where weather turned unsuitable or dangerous after the survey had begun, surveys were postponed. Results from the 2025 breeding season are derived from a continuous six months of surveying undertaken following best practice guidance (NatureScot, 2017). The survey duration and scope are considered entirely satisfactory.

4. RESULTS

4.1 Desk Study

4.1.1 Sites Designated for Nature Conservation

Using GIS software, sites designated for nature conservation within the potential zone of influence of the proposed wind farm development were identified. In the absence of any specific European or Irish guidance, SNH (2017) was consulted. This document provides guidance in relation to the identification of connectivity between proposed development proposals and SPAs. It takes into consideration the distances some species may travel beyond the boundary of their SPAs and outlines information on dispersal and foraging ranges of certain bird species. In addition, taking a precautionary approach, sites within a 15km radius of the proposed wind farm were identified. Sites designated for birds are listed below in Table 4-1.

Table 4-1 Designated sites within 15km of the site

Designated site and code	Distance from proposed works (km)
Special Protection Areas (SPA)	
Sligo/Leitrim Uplands (002384)	9.2
Natural Heritage Areas (NHA)	
Dough/Thur Mountains (002384)	0.1
Aghavoghil Bog (002430)	4.2
Crockauns/Keelogyboy Bogs (002435)	9.0

4.1.2 Previous Survey Data

4.1.2.1 Breeding Bird Atlas Records

'Bird Atlas 2007-11: The breeding and wintering birds of Britain and Ireland' (Balmer *et al.*, 2013) is the most recent comprehensive work on breeding birds in Ireland. It provides information on species and their breeding status in 10km hectads. The site lies within hectad G94. Table 5-1 presents a list of nine species of conservation interest recorded within this hectad.

Table 5-1 Bird atlas 2007-11 records

Species Name	Hectad (G94)	Conservation Status
Golden plover	Non-Breeding	Annex I EU Birds Directive, BoCCI Red Listed
Peregrine	Probable Breeding	Annex I EU Birds Directive, SCI of SPA within 15km

Species Name	Hectad (G94)	Conservation Status
Hen harrier	Confirmed Breeding	Annex I EU Birds Directive
Merlin	Possible Breeding	Annex I EU Birds Directive
Red grouse	Probable Breeding	BoCCI Red Listed

4.1.2.2 Rare and Protected Species Dataset

An information request was sent to the NPWS requesting records from the Rare and Protected Species Database. The sections below provide records obtained from the NPWS (on 18th of June 2018) of the rare and protected breeding bird species hen harrier, peregrine and red grouse.

Hen Harrier

Table 5-2 below presents the NPWS records for hen harrier nest sites to defined radii of the development site.

Table 5-2 NPWS Hen Harrier Nest Site Records

Year	Within site boundary	0-1km from site boundary	1-3km from site boundary	3-5km from site boundary
2015	No Records	1 confirmed breeding site	No Records	1 confirmed breeding site
2010	No Records	3 confirmed breeding sites	1 sighting	1 confirmed breeding site, 1 additional sighting
2005	No Records	3 sightings	No records	No records
1998-2004	No Records	No Records	No Records	No records

Peregrine

The NPWS identified one confirmed peregrine nest site within 3-5km of the site. The observation was recorded during a survey in 2002.

Red Grouse

The NPWS hold records of red grouse in the area. Between 2000 and 2011 this species was recorded on nine occasions. One observation was recorded on site. There were two records located approximately 500m from the site - one just south of Dough Mountain and the other just north of Killea. The remainder of the observations were recorded over 3km from the site, three of which were in the vicinity of Thur Mountain.

4.2 Field Surveys

4.2.1 Flight Activity Surveys

During vantage point surveys, hen harrier were recorded regularly on site, including some time spent flying at potential collision height (PCH). White-tailed eagle, merlin, peregrine, snipe, kestrel, buzzard, and sparrowhawk were also recorded on site, including at PCH. Individual species accounts of primary and secondary target species are provided below.

4.2.1.1 Primary Target Species

Hen harrier

Hen harrier were observed eight times during vantage point surveys. A total of 158 seconds of flight were recorded at PCH. In April a male was observed sky dancing (display flight) on site to the north. In September, a male and female were recorded foraging separately on site to the north of site. Other observations involved adult male or female birds flying, hunting, or foraging. Maps are presented in Appendix 1 Figure 1.2

White-tailed eagle

White-tailed eagle was observed twice on one day during surveys. In August, a single bird was observed soaring and going to roost on site at Boleyboy. A total of 120 seconds were recorded at PCH. Maps are presented in Appendix 1 Figure 1.3.

Merlin

Merlin were recorded three times on one day during vantage point surveys. There were no observations at PCH. All observations involved a female birds in flight, hunting and perched around Killea on site and within 500m of site. Maps are presented in Appendix 1 Figure 1.4.

Peregrine

Peregrine were recorded on two occasions during surveys. Individual birds were recorded travelling and soaring on and off site. A total of 155s were recorded at PCH. Maps are presented in Appendix 1 Figure 1.5.

Snipe

Snipe were recorded 52 times during vantage point surveys, all on site or within 500m of the site. Observations involved single birds or small flocks in flight, calling and displaying. Displaying birds were observed near Killea, Tawnyfeacle, and Dough Mountain indicating probable breeding in these areas. Maps are presented in Appendix 1 Figure 1.7.

Kestrel

Kestrel were recorded 16 times during vantage point surveys. A total of 621s were spent at PCH. Observations involved single birds hunting, hovering or travelling. Juvenile birds were recorded to north of site in July suggesting breeding in the wider area. Maps are presented in Appendix 1 Figure 1.8.

4.2.1.2 Secondary Target Species

Sparrowhawk

Sparrowhawk was recorded on nine occasions during vantage point surveys. A male was recorded carrying prey off site to south of site in June indicating breeding in the wider area. Maps are presented in Appendix 1 Figure 1.9.

Buzzard

Buzzard were recorded 57 times during vantage point surveys, on site and within 500m of the site. A total of 5790s were recorded at PCH. A provisioning flight was observed off site to the south in August, indicating a breeding territory in this area. Other observations included birds soaring, travelling, foraging and calling in both the north and south of the site. Maps are presented in Appendix 1 Figure 1.10.

4.2.2 Breeding Raptor Surveys

Hen harrier

Hen harrier were observed 26 times during breeding raptor surveys. In early to mid-April two males were observed sky dancing (displaying) on both the north and south of site in the vicinity of historically occupied territories. In late April, a male and female were recorded flying close together in courtship and dropping into forestry on the south of the site near the traditionally occupied territory here. In May, a male was regularly recorded in this same area in flight or perched but no breeding behaviour was recorded. In late May, a ringtail (likely a female bird) was recorded in flight in the same area but again no signs of breeding were recorded. In July, a male was observed in a failed hunting attempt on site and flew to the east, off site. Later in the month a male was observed carrying prey off site to the east in the same direction, indicating a nest in this direction, likely off site. A ringtail was also observed flying in this direction in July. Maps are presented in Appendix 1 Figure 2.1.

White-tailed eagle

An immature white-tailed eagle was recorded in flight and perched on site in May at Boleyboy. Two more observations in August involved an immature bird (possibly the same bird) on site near Saddle Hill. Maps are presented in Appendix 1 Figure 2.2.

Osprey

Osprey were recorded on one occasion during breeding raptor surveys. On the 10th of June an adult was observed in agitated flight alarm calling and lingering near a flock of ravens at Faughery. The bird then flew off site to the northwest. Maps are presented in Appendix 1 Figure 2.3.

Peregrine

Peregrine were recorded on one occasion in July with a bird hunting within 500m of site. No breeding behaviour was observed. Maps are presented in Appendix 1 Figure 2.4.

Kestrel

Kestrel were recorded 58 times during breeding raptor surveys. A pair of juvenile birds were observed on site to the south in July and off site to the north in September confirming breeding in these locations. Observations involved birds flying, hunting, and foraging on and off site. Maps are presented in Appendix 1 Figure 2.5.

Buzzard

Buzzard were recorded 38 times during breeding raptor surveys. Single birds or pairs were recorded. Observations involved birds flying, soaring, hunting and calling. Maps are presented in Appendix 1 Figure 2.6.

Sparrowhawk

Sparrowhawk were recorded 18 times during breeding raptor surveys. Observations involved birds in flight, foraging, calling or carrying prey. Breeding was confirmed off site at Tawnyfeacle and Raheelin with adults carrying prey or calling young recorded. Maps are presented in Appendix 1 Figure 2.7.

4.2.3 Incidental Observations

Hen harrier

Hen harrier were observed once as incidental observations. In May, an adult male was recorded foraging and travelling at Faughery on site and within 500m of site. Maps are presented in Appendix 1 Figure 3.0.

White-tailed eagle

White-tailed eagle was recorded once as an incidental observation. An immature bird was observed in the same area as it was observed roosting in the previous day. Maps are presented in Appendix 1 Figure 3.1.

Golden plover

Golden plover were recorded twice as incidental observations. In April a flock of 113 birds were recorded in flight on Dough Mountain within 500m of site and, in August, a single bird was recorded in the same area. No breeding evidence was recorded. Maps are presented in Appendix 1 Figure 3.2.

Red grouse

Red grouse were recorded twice as incidental observations. Observations involved single birds calling at Dough Mountain and Lisdarush on site and within 500m of site, indicating probable breeding in these areas. Maps are presented in Appendix 1 Figure 3.3.

Snipe

Snipe were recorded 52 times as incidental observations. Behaviours included flying, flushed by the observer, chipping (display song), alarm calling and drumming (displaying). Probable breeding was indicated with the presence of displaying birds at Faughery, Dough Mountain, Saddle Hill, and Killea, all on site or within 500m of the site. Maps are presented in Appendix 1 Figure 3.4.

Kestrel

Kestrel were recorded once as an incidental observations. A single male was observed in flight on site in July. Maps are presented in Appendix 1 Figure 3.5.

Buzzard

Buzzard were recorded four times as incidental observations. Birds were recorded in flight and soaring across the site. Maps are presented in Appendix 1 Figure 3.6.

5. DISCUSSION

Ornithological surveys were conducted at the Lissinagroagh wind farm site from April to September 2025 inclusive. During these surveys, breeding territories were identified for hen harrier, red grouse, snipe, kestrel, buzzard, and sparrowhawk. Other raptors such as merlin, white-tailed eagle and osprey were observed at the site and surrounds. No breeding behaviour was recorded, however white-tailed eagle were observed roosting.

Hen harrier

In early to mid-April two male hen harrier were observed displaying and interacting to both the north and south of site on different dates in the vicinity of historically occupied territories. This indicated probable breeding in these areas early in the season.

To the north of site, observations near historic territories were infrequent beyond April. A male and female were recorded foraging separately on the north of the site in September, but no breeding activity was confirmed in this area.

To the south of the site, in late April, a male and female were recorded flying close together in courtship and dropping into forestry near the traditionally occupied territory here. In May a male was regularly recorded in this southern area in flight or perched but no breeding activity was recorded. In late May, a ringtail, likely a female bird was recorded in flight here but again no further signs of breeding were recorded. In June observations dropped off sharply here indicating potential nest failure in this location.

In July a male was observed in a failed hunting attempt on site and flew to the east, off site. Later in the month a male was observed carrying prey off site to the east. A ringtail was also observed flying in this direction in July. However, no further breeding activity was recorded, and any possible nest would likely be a distance off site to the southeast, based on observations.

Other species

Merlin were recorded within 500m of site at the northern side of Dough Mountain, however, no breeding behaviour was recorded. An osprey was recorded alarm calling on site in June, however the closest suitable breeding habitat and known pair was approximately 5km off site to the northwest. An immature white-tailed eagle was recorded on site at Boleyboy in May and going to roost in the same area in August. While no breeding activity was observed, this bird was using the site for roosting.

Kestrel was confirmed breeding in areas off site to the north and south with the presence of recently fledged juvenile birds. Sparrowhawk were confirmed breeding in two locations off site at Raheelin and Tawnyfeacle. Buzzard were also confirmed breeding off site at Tawnyfeacle.

Red grouse were classified as probable breeding (as evidenced by the presence of calling birds) on site and within 500m of the site at Lisadarush and Dough Mountain. Snipe were also considered to be probable breeders with displaying birds recorded within 500m of the site at Saddle Hill, Faughery, Killea, Dough Mountain, and off site at Tawnyfeacle. Golden plover were recorded within 500m of site, however no breeding behaviour was recorded.

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APPENDIX 1


FIGURES



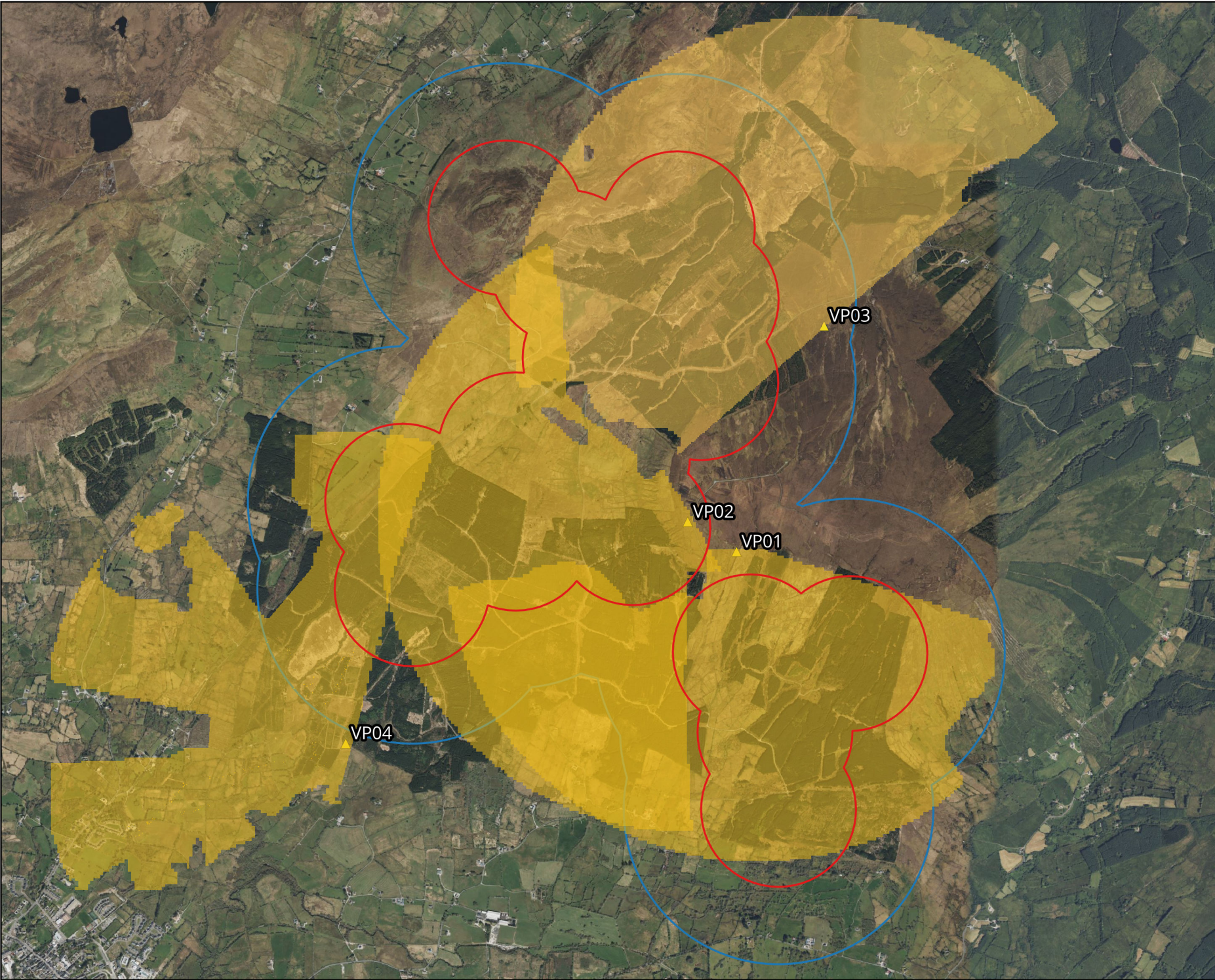
Map Legend

-  Lissinagroagh site boundary
-  Lissinagroagh 500m radius



Drawing Title	
Site Map	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.0
Scale	Date
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ▲ VP Locations

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Drawing Title

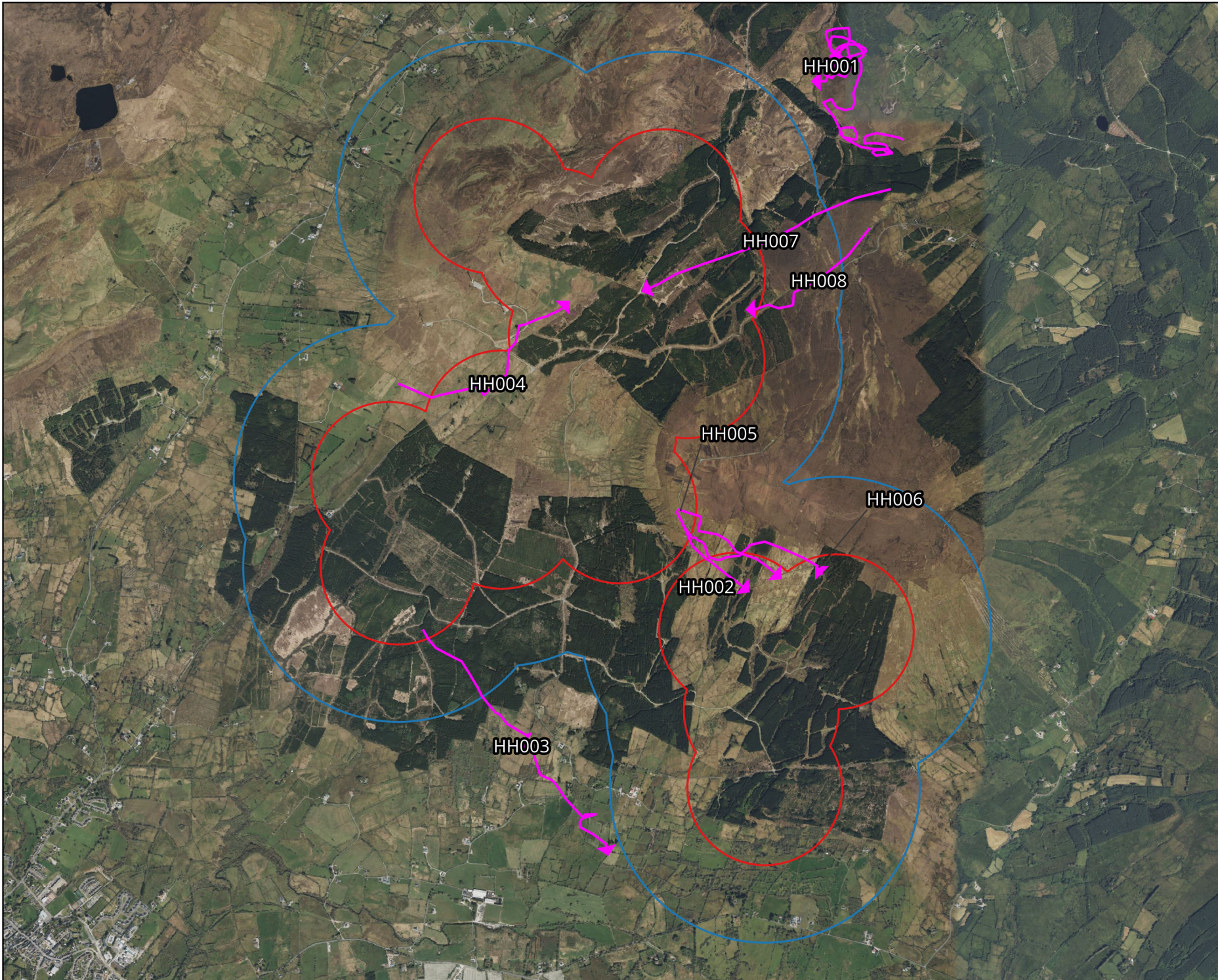
VP Locations and Viewsheds

Project Title

Lissinagroagh

Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.1
Scale	Date
1:32,000	12.12.2025

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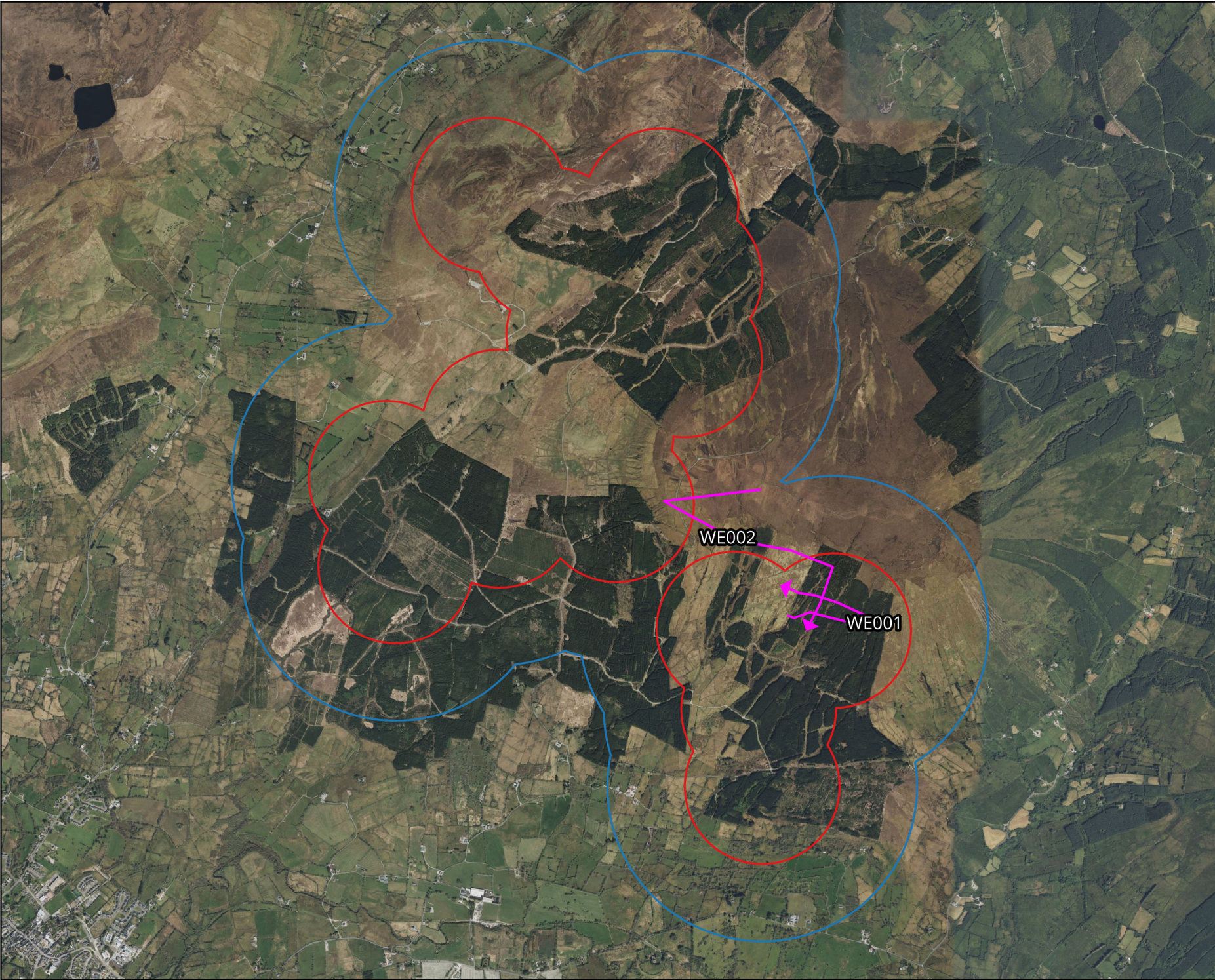
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title	
Hen Harrier Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.2
Scale	Date
1:32,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title
White-tailed Eagle Vantage Point Observations

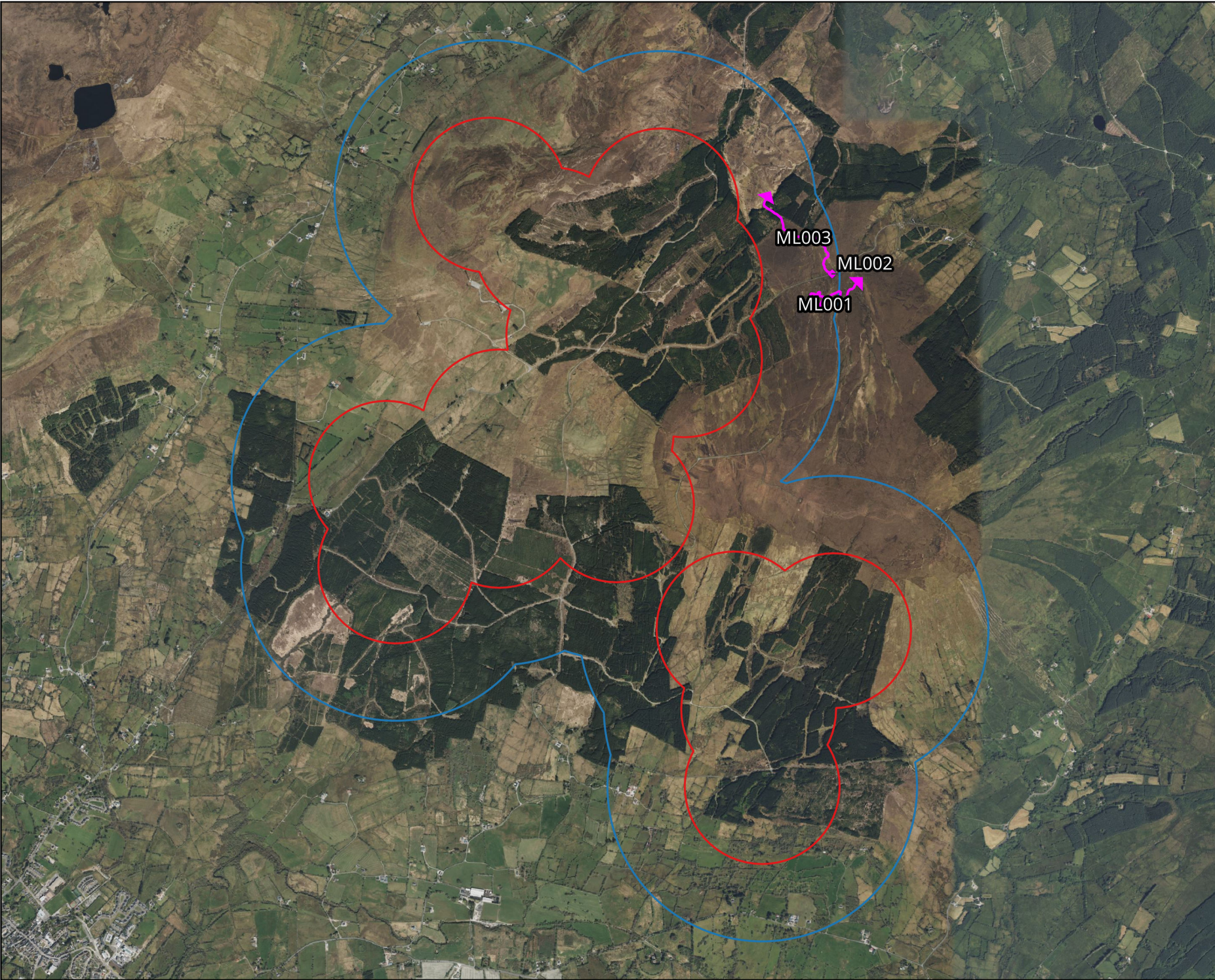
Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
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Project No. 200217-j	Drawing No. Fig 1.3
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Scale 1:32,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline



Drawing Title
Merlin Vantage Point Observations

Project Title
Lissinagroagh

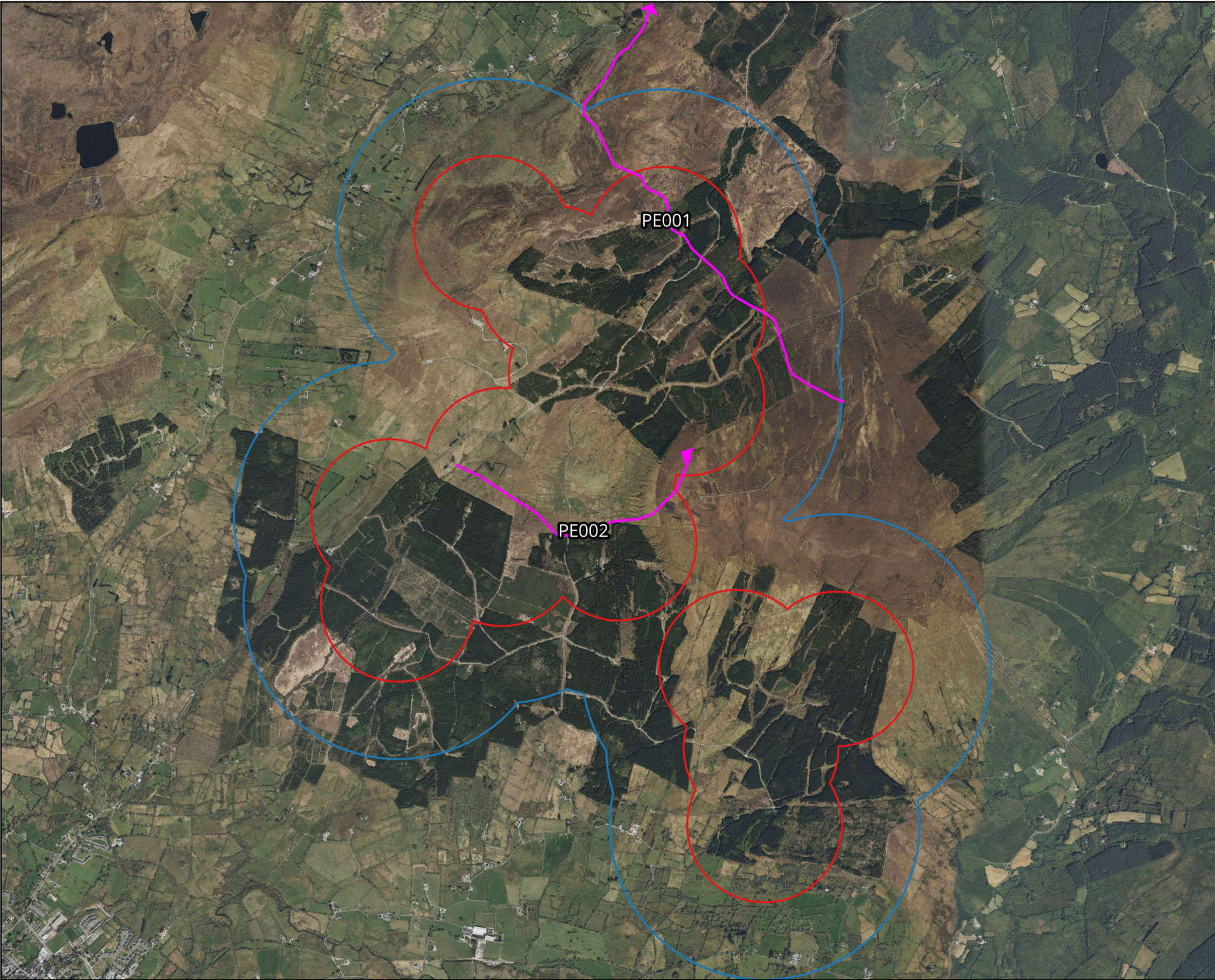
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Project No. 200217-j	Drawing No. Fig 1.4
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Scale 1:32,000	Date 12.12.2025
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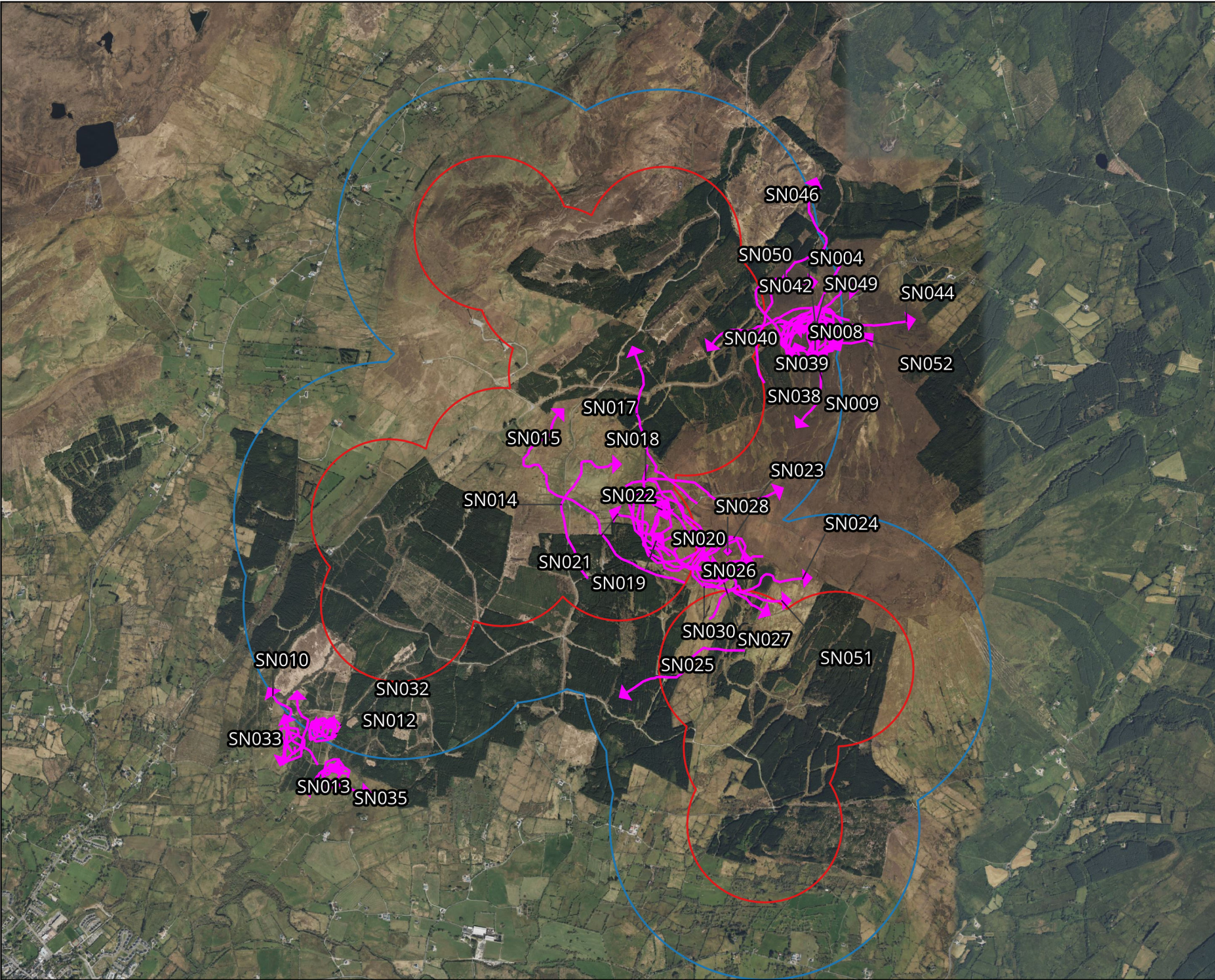
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- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Peregrine Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.5
Scale	Date
1:32,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title
Snipe Vantage Point Observations

Project Title
Lissinagroagh

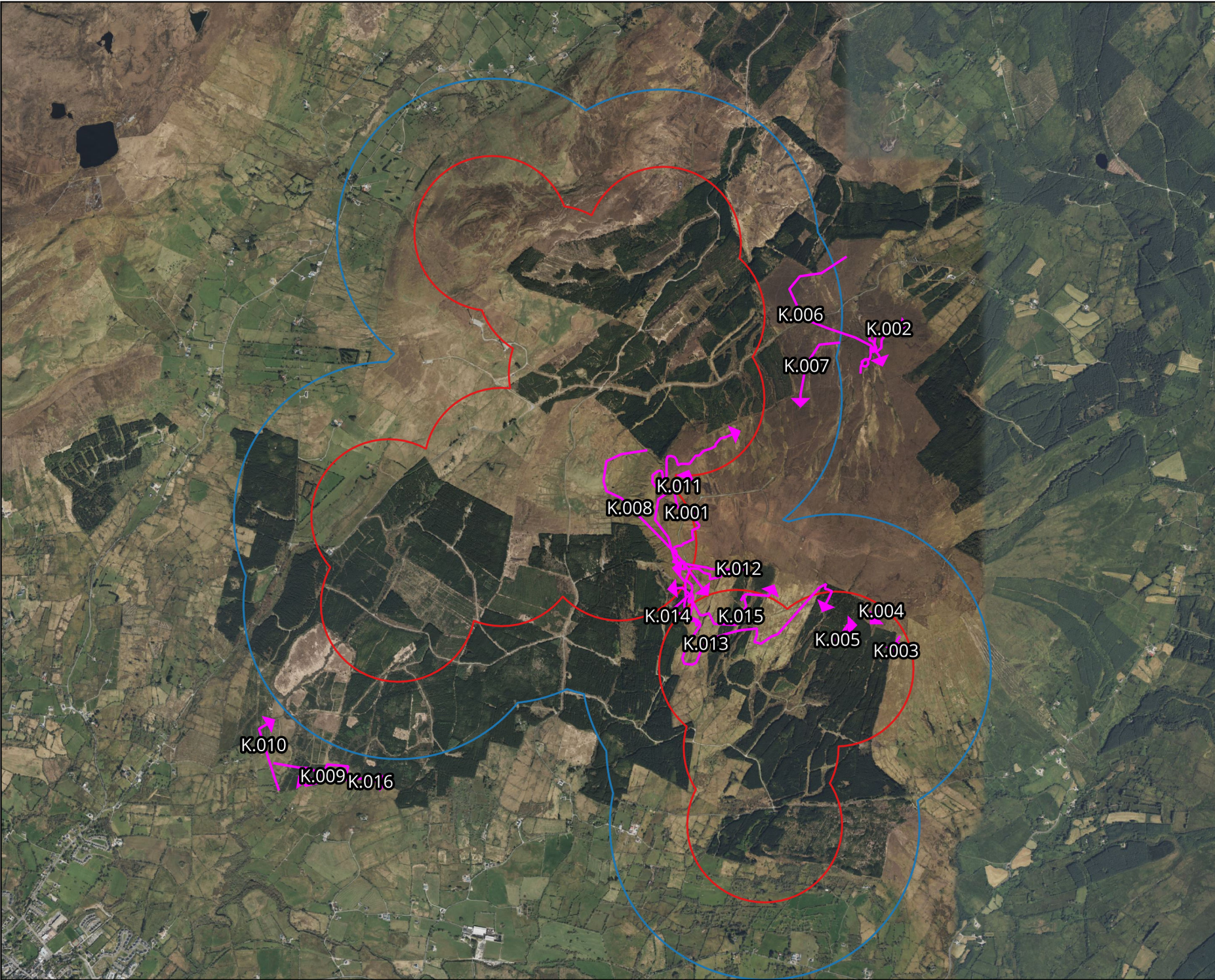
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Project No. 200217-j	Drawing No. Fig 1.6
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Scale 1:32,000	Date 12.12.2025
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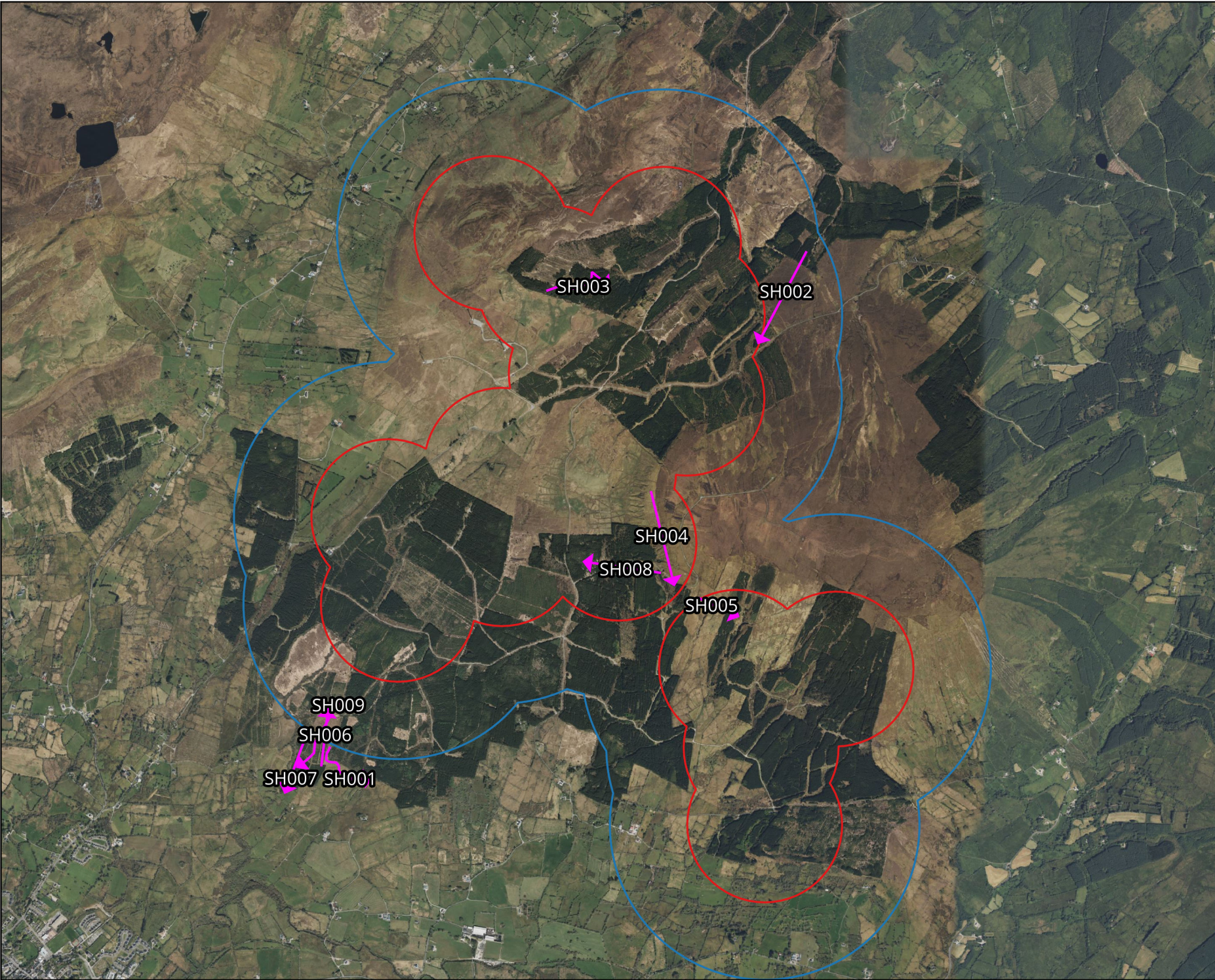
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Kestrel Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.7
Scale	Date
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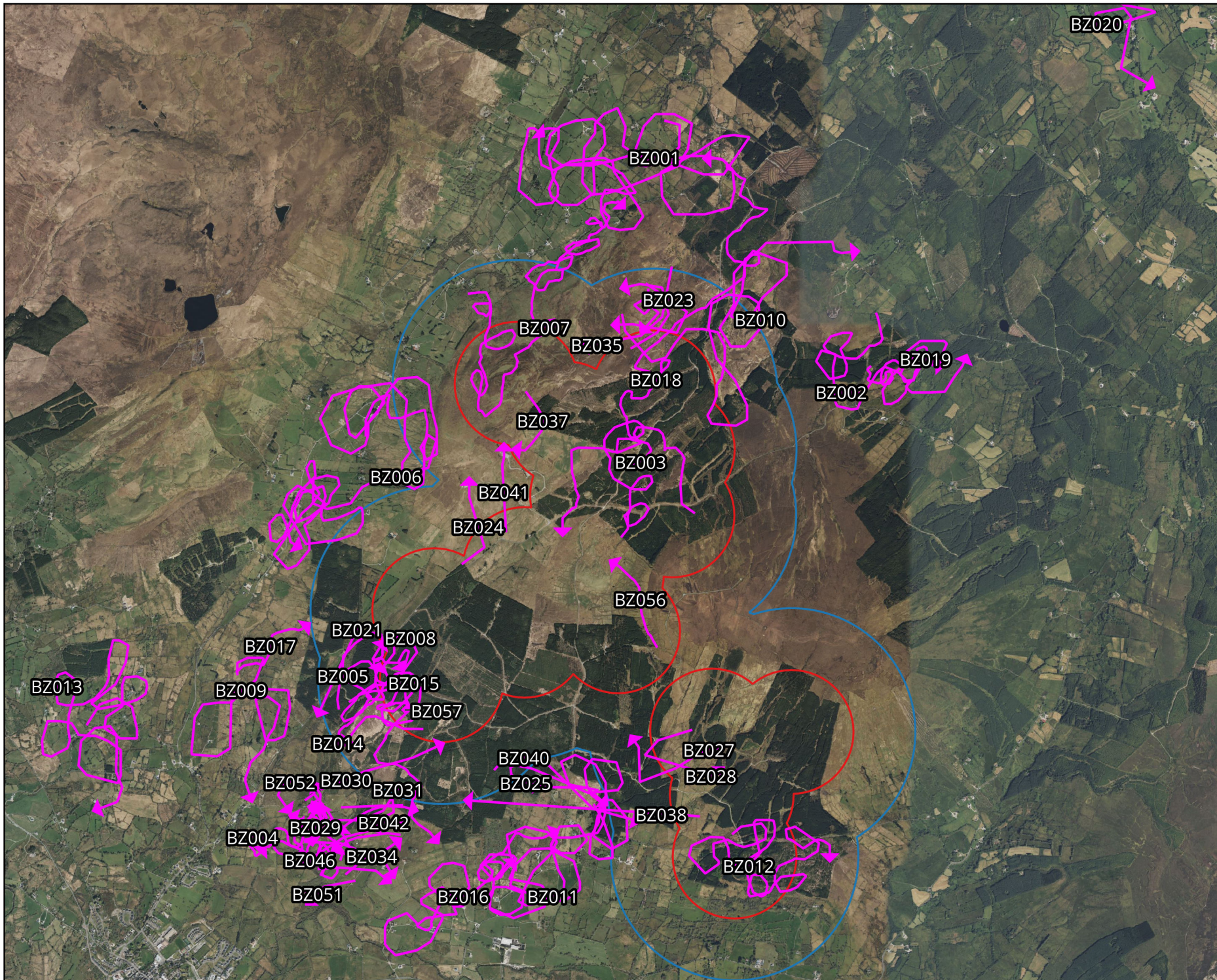
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↗ Flightline

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Drawing Title	
Sparrowhawk Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.8
Scale	Date
1:32,000	12.12.2025
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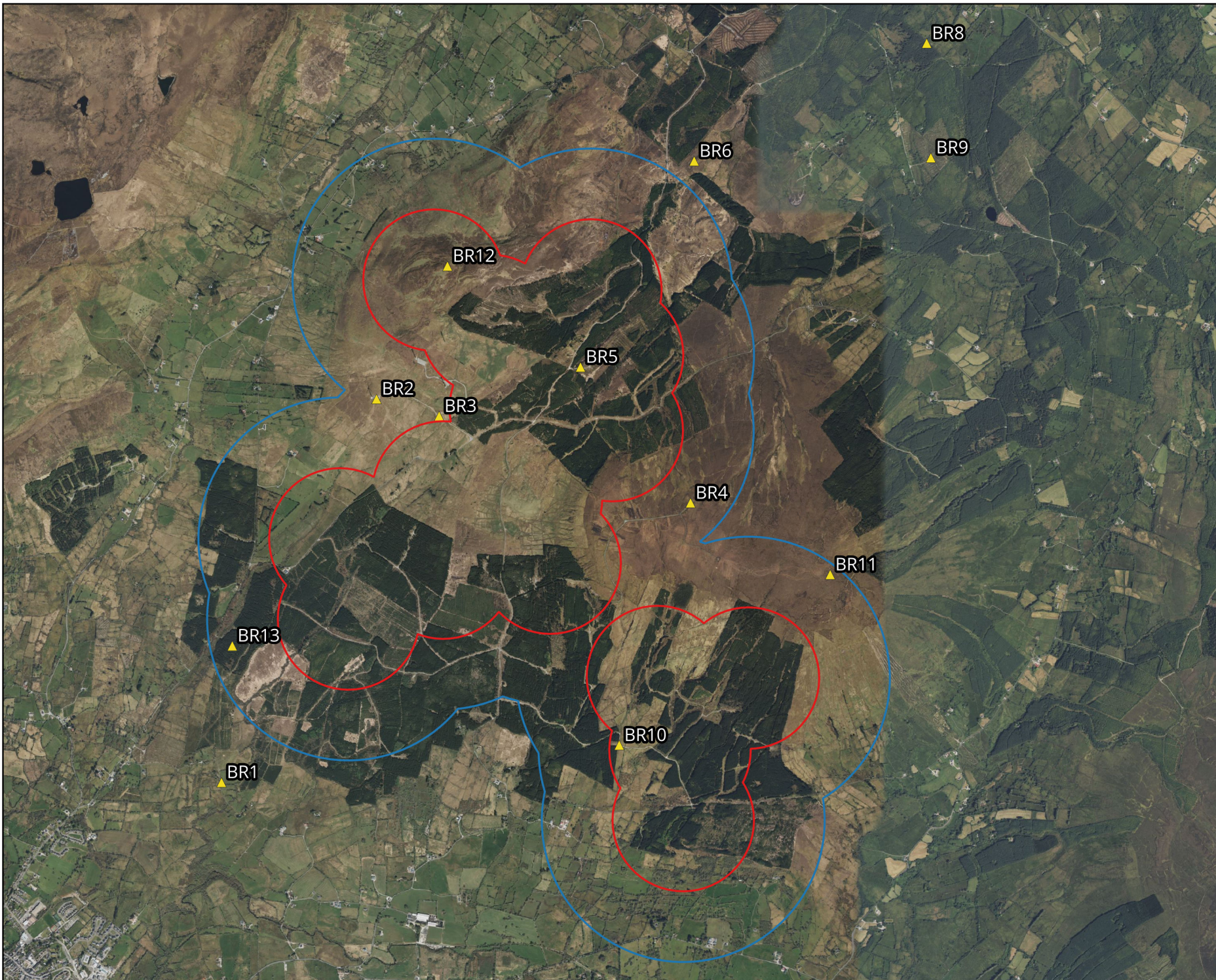
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title Buzzard Vantage Point Observations	
Project Title Lissinagroagh	
Drawn By AOD	Checked By SD
Project No. 200217-j	Drawing No. Fig 1.9
Scale 1:40,000	Date 12.12.2025
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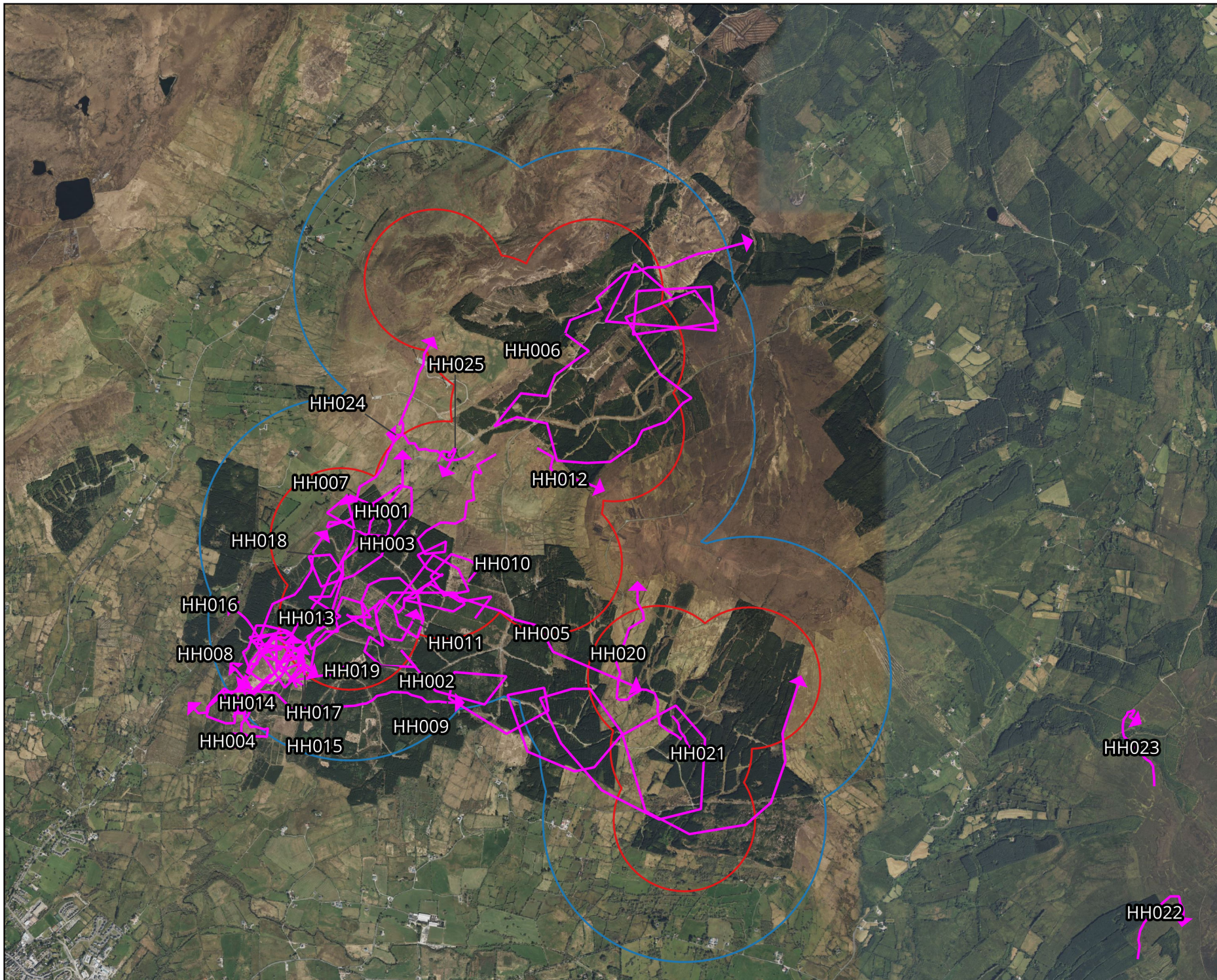
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ▲ Survey Location



Drawing Title	
Breeding Raptor Survey Locations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.0
Scale	Date
1:35,000	12.12.2025
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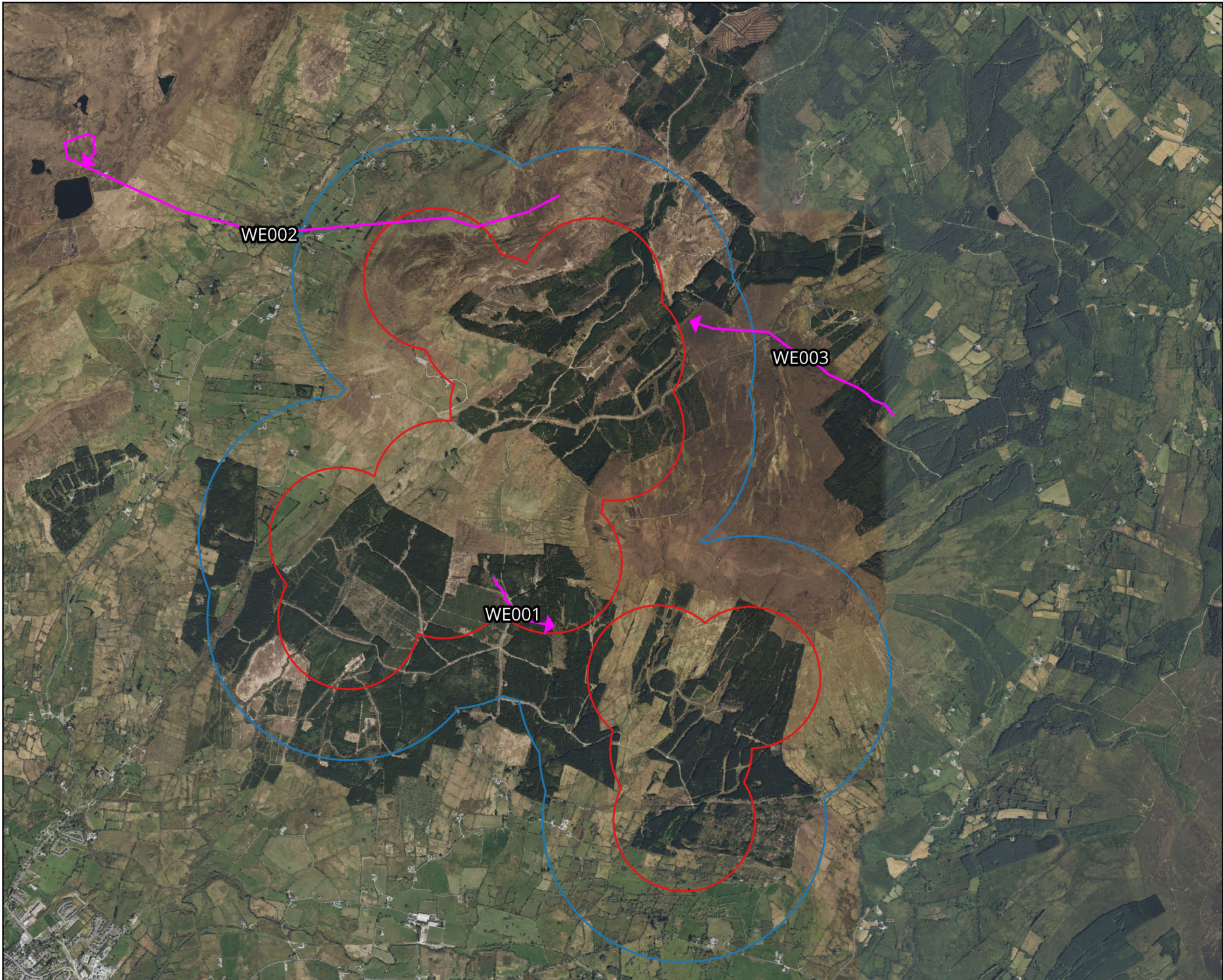
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Hen Harrier Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.1
Scale	Date
1:35,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title
White-tailed Eagle Breeding Raptor Observations

Project Title
Lissinagroagh

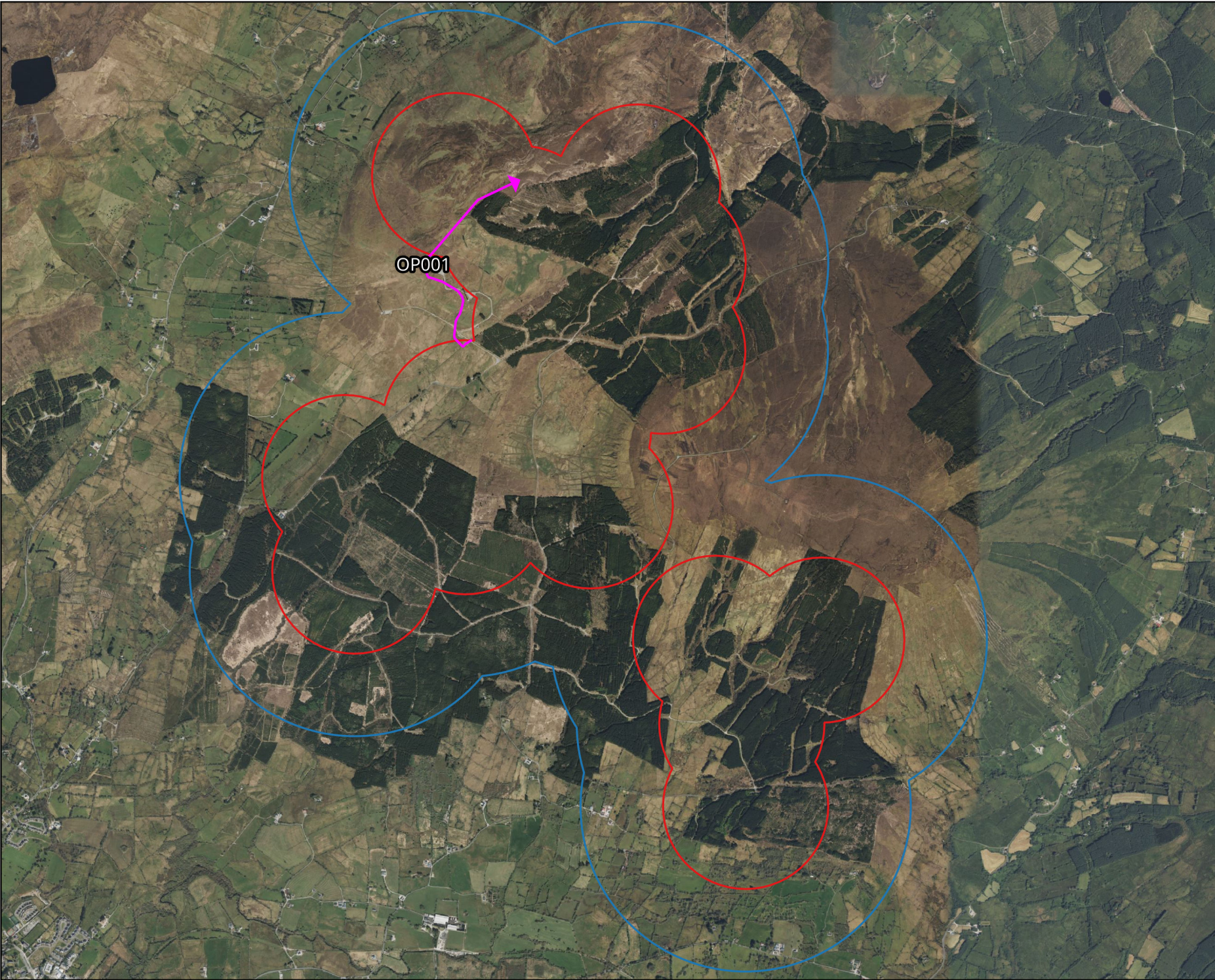
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Project No. 200217-j	Drawing No. Fig 2.2
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Scale 1:35,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

OP001



Drawing Title
Osprey Breeding Raptor Observations

Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
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Project No. 200217-j	Drawing No. Fig 2.3
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Map Legend

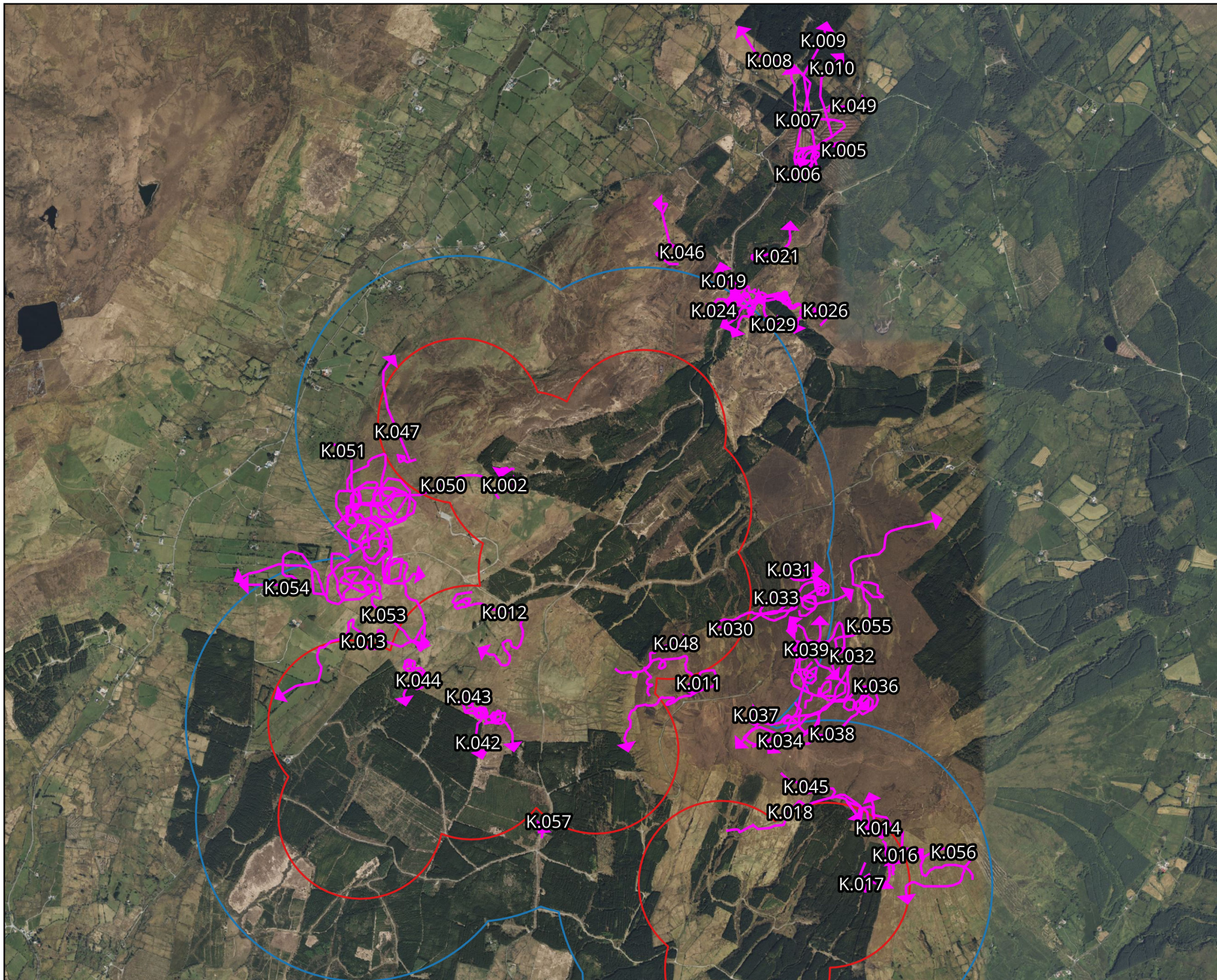
- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title	
Peregrine Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.4
Scale	Date
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PE001



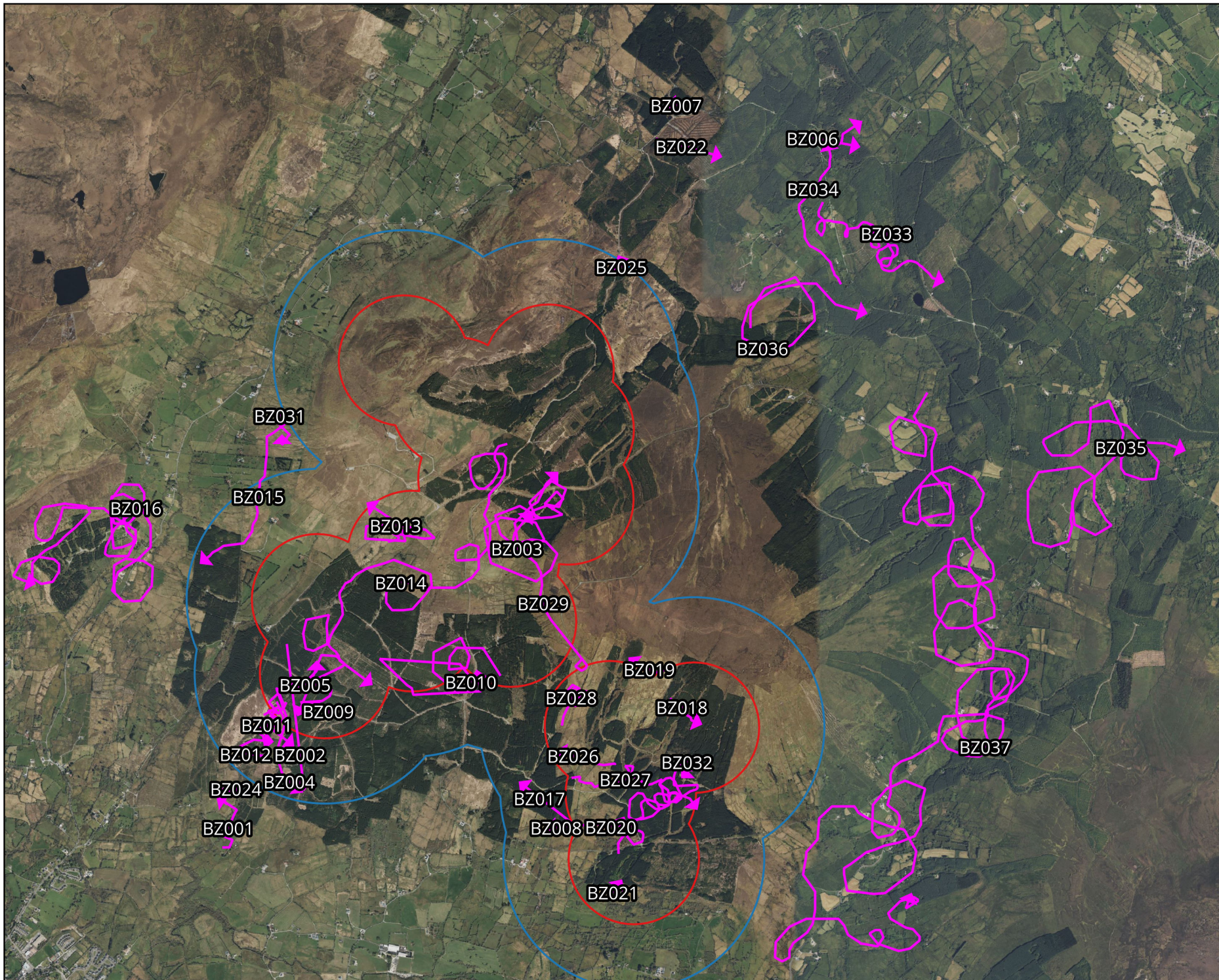
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↗ Flightline



Drawing Title	
Kestrel Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.5
Scale	Date
1:30,000	12.12.2025
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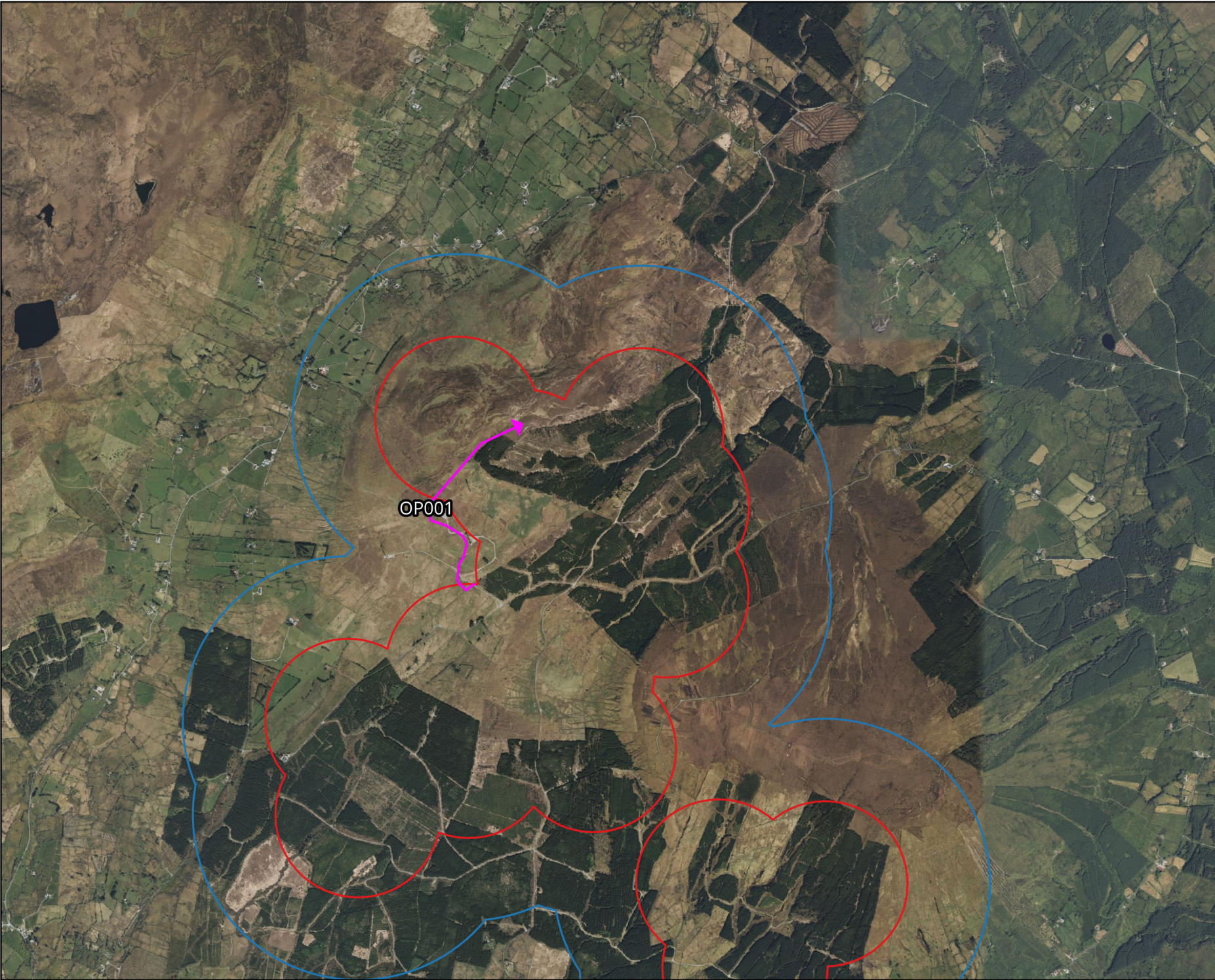
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Buzzard Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.6
Scale	Date
1:38,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title
Sparrowhawk Breeding Raptor Observations

Project Title
Lissinagroagh

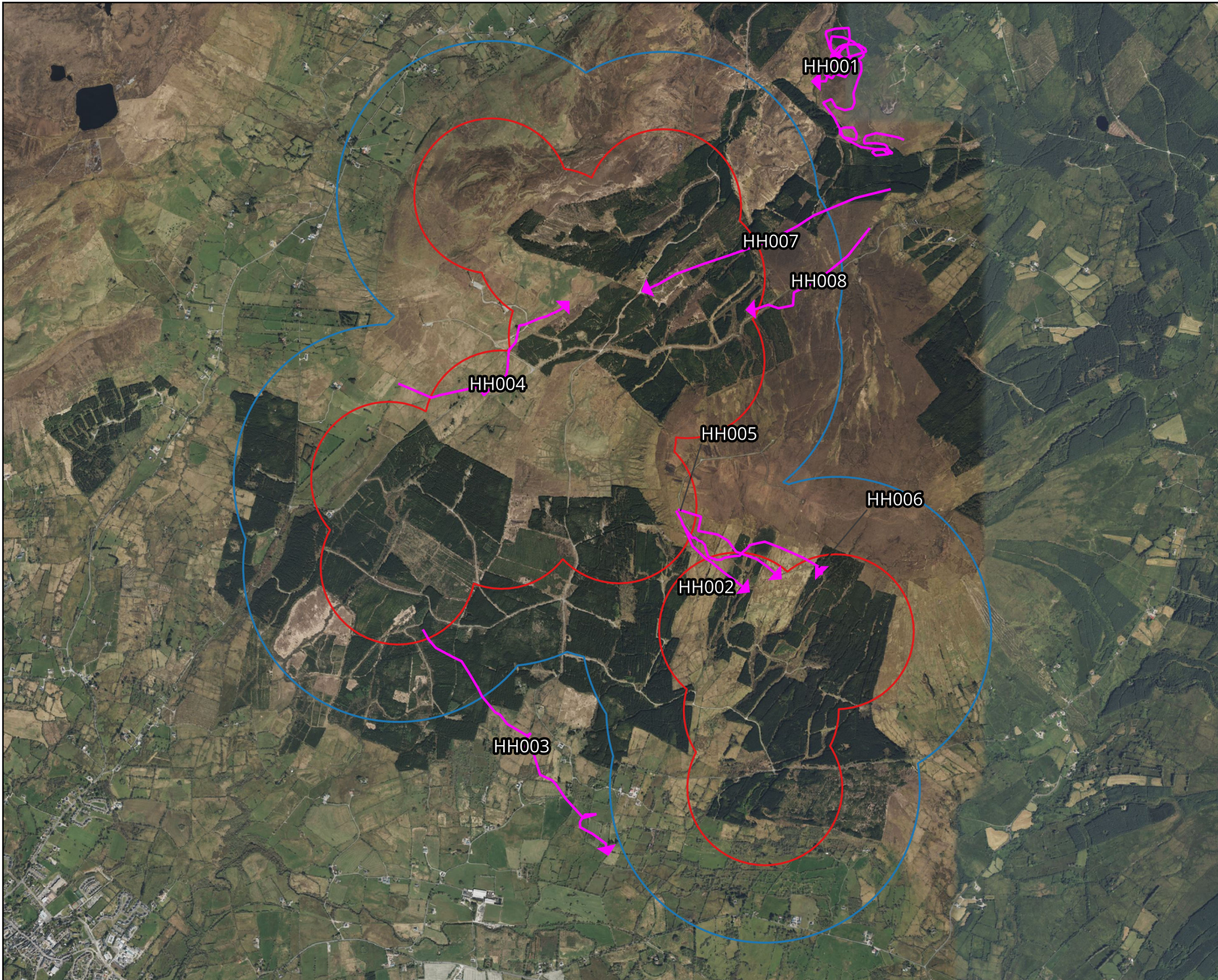
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Project No. 200217-j	Drawing No. Fig 2.7
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Scale 1:30,000	Date 12.12.2025
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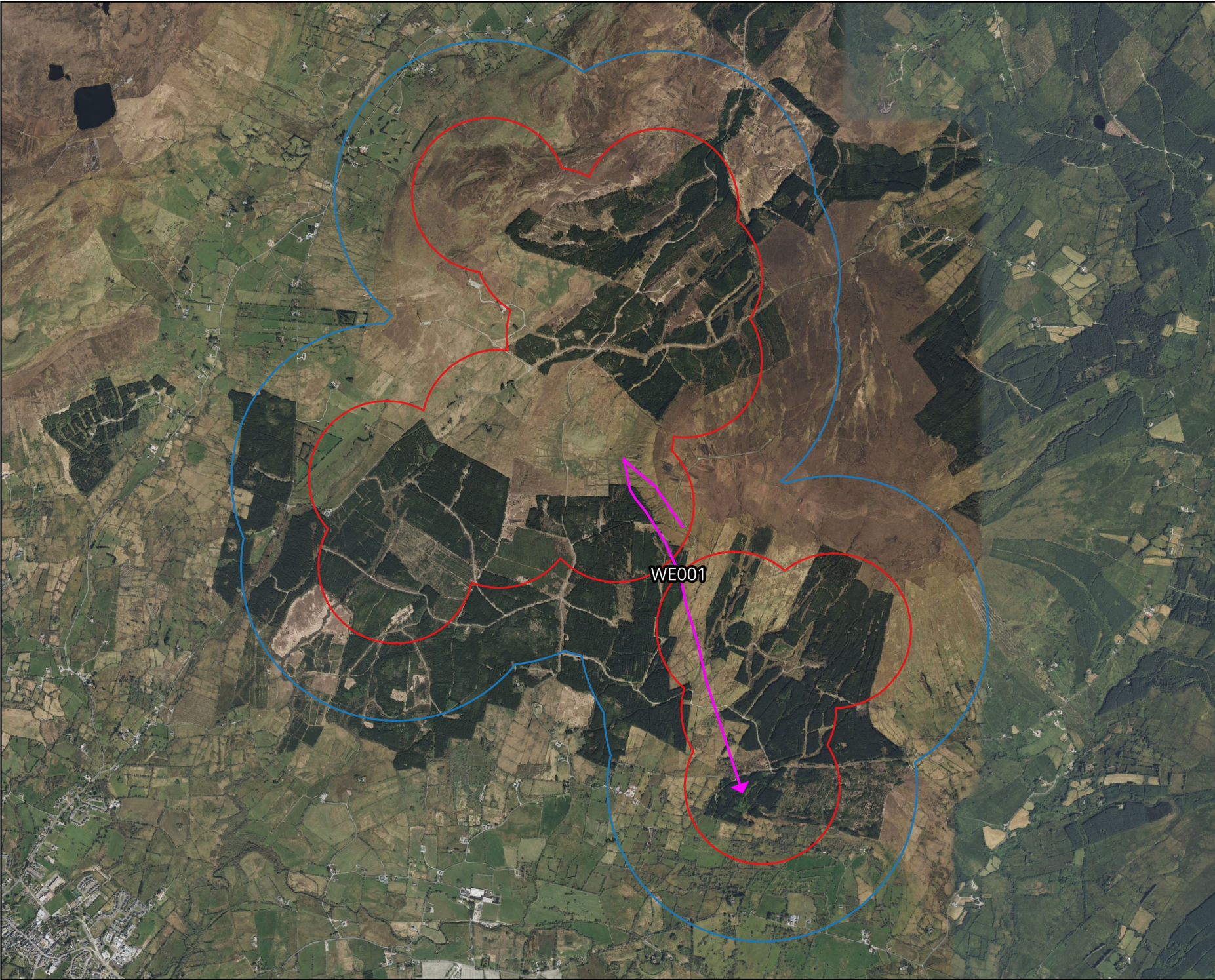
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title	
Hen Harrier Incidental Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 3.0
Scale	Date
1:32,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title
White-tailed Eagle Incidental Observations

Project Title
Lissinagroagh

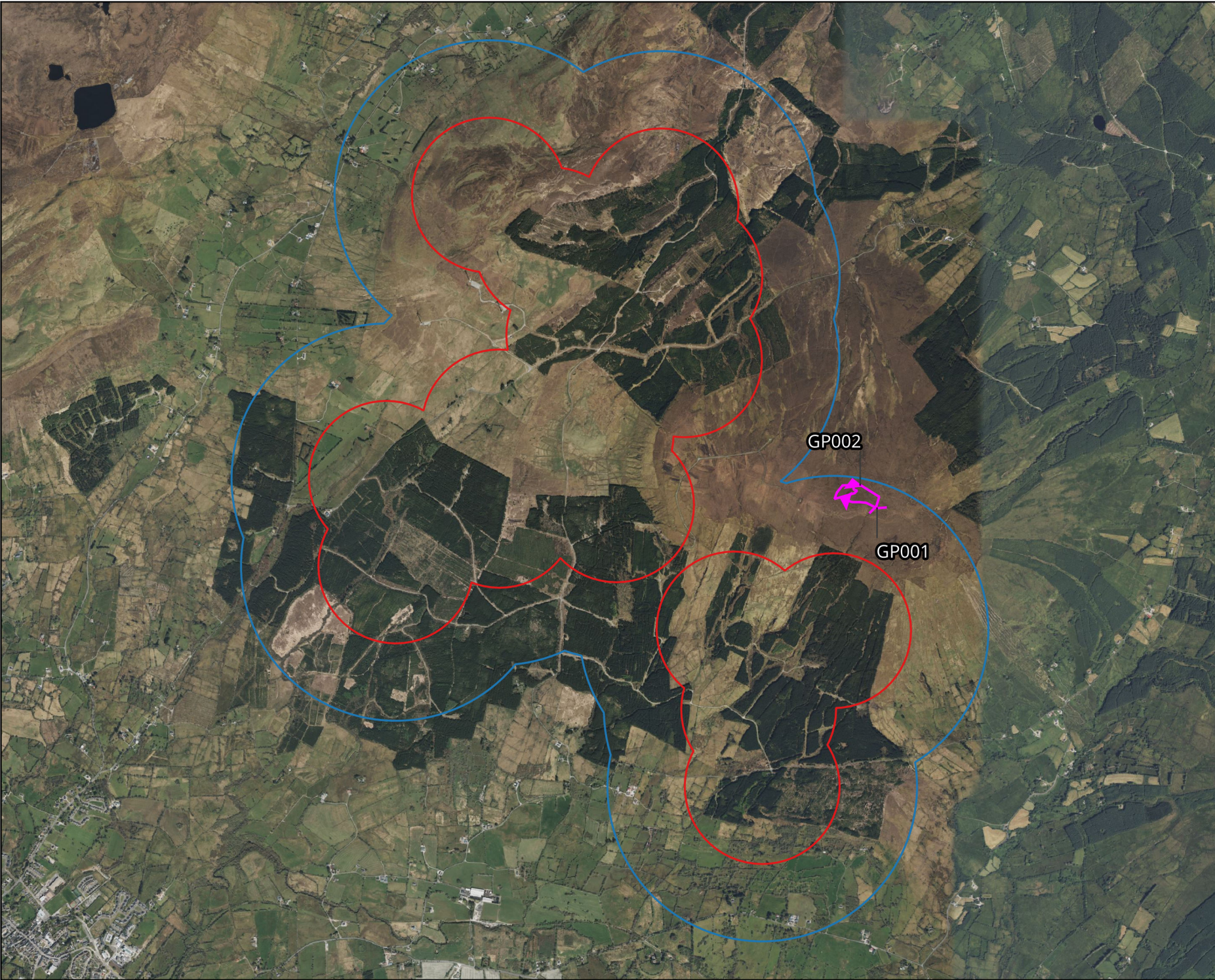
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Project No. 200217-j	Drawing No. Fig 3.1
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Scale 1:32,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↻ Flightline



Drawing Title Golden Plover Incidental Observations	
Project Title Lissinagroagh	
Drawn By AOD	Checked By SD
Project No. 200217-j	Drawing No. Fig 3.2
Scale 1:32,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

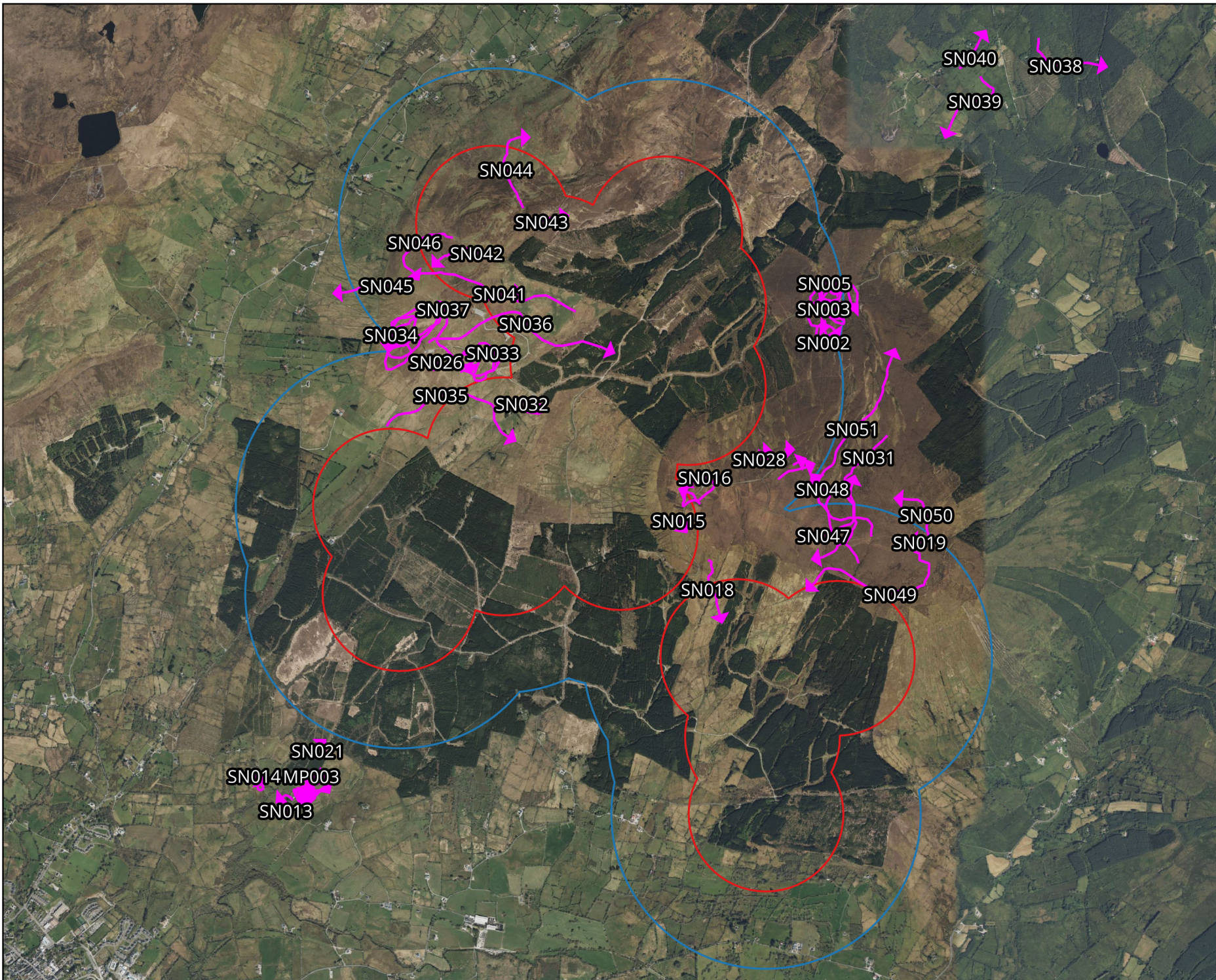
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Drawing Title	
Red Grouse Incidental Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 3.3
Scale	Date
1:32,000	12.12.2025

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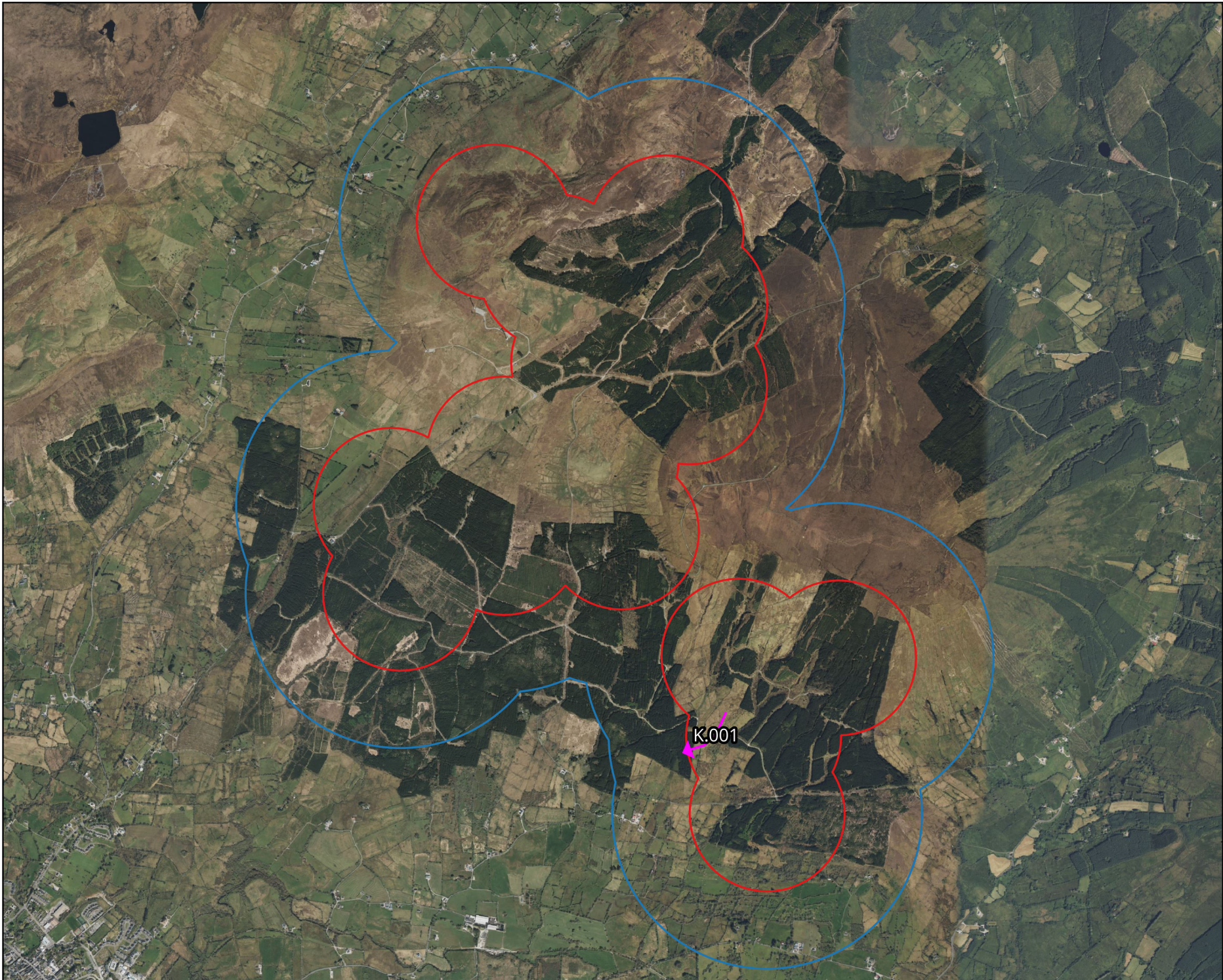
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title	
Snipe Incidental Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 3.4
Scale	Date
1:32,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title

Kestrel Incidental Observations

Project Title

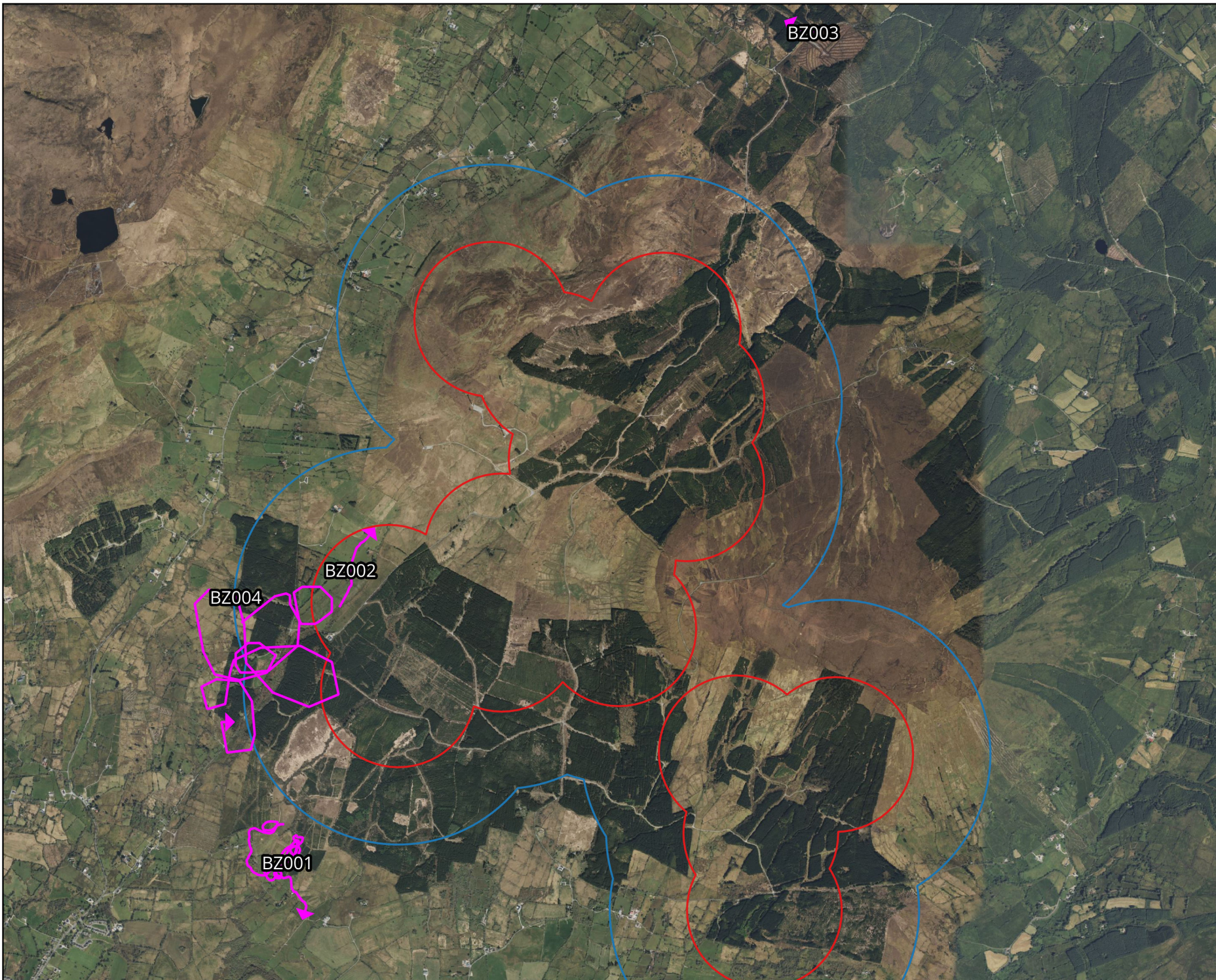
Lissinagroagh

Drawn By: **AOD** Checked By: **SD**

Project No.: **200217-j** Drawing No.: **Fig 3.5**

Scale: **1:32,000** Date: **12.12.2025**

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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title

Buzzard Incidental Observations

Project Title

Lissinagroagh

Drawn By

AOD

Checked By

SD

Project No.

200217-j

Drawing No.

Fig 3.6

Scale

1:32,000

Date



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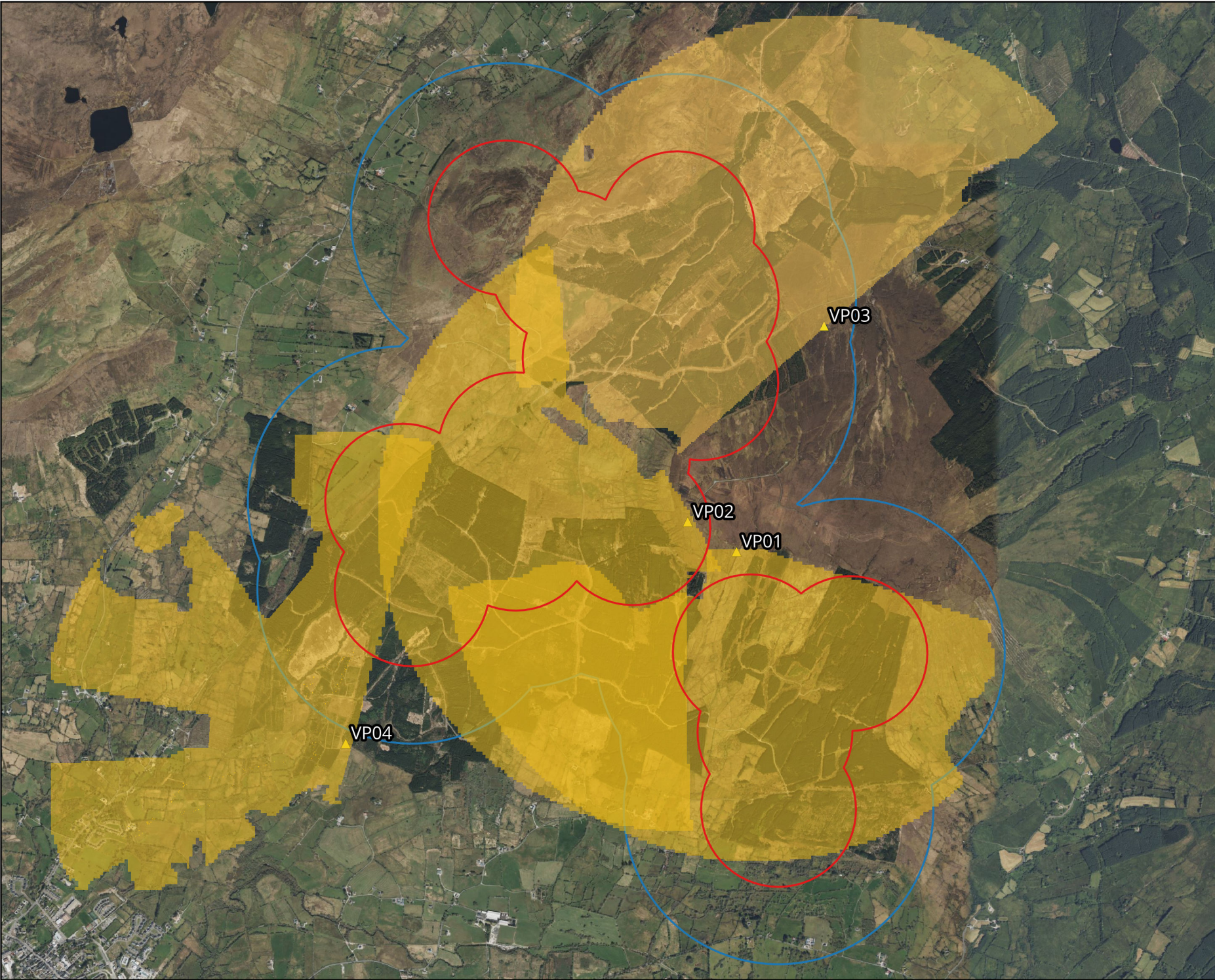
Map Legend

-  Lissinagroagh site boundary
-  Lissinagroagh 500m radius



Drawing Title	
Site Map	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.0
Scale	Date
1:30,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ▲ VP Locations

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Drawing Title

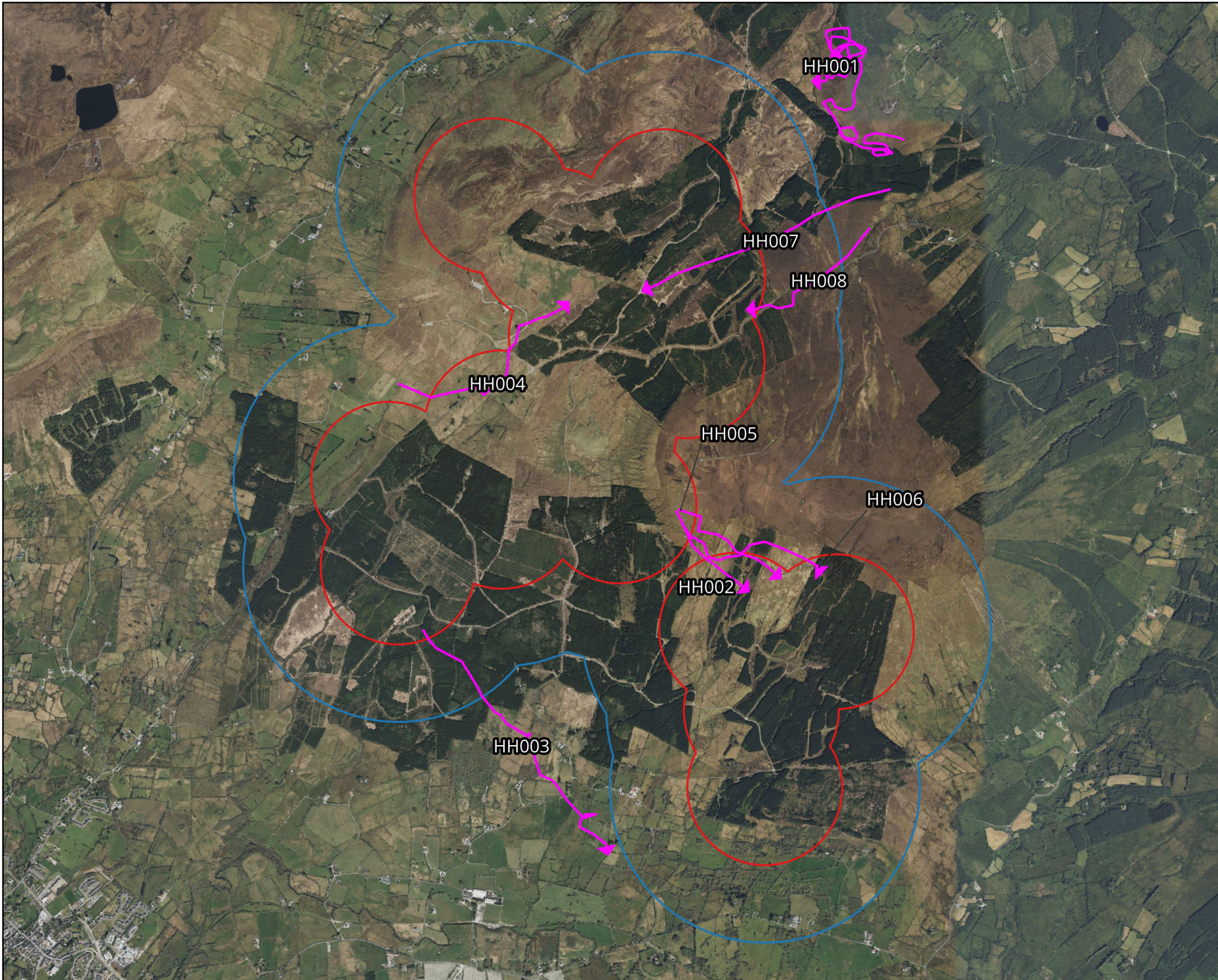
VP Locations and Views

Project Title

Lissinagroagh

Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.1
Scale	Date
1:32,000	12.12.2025

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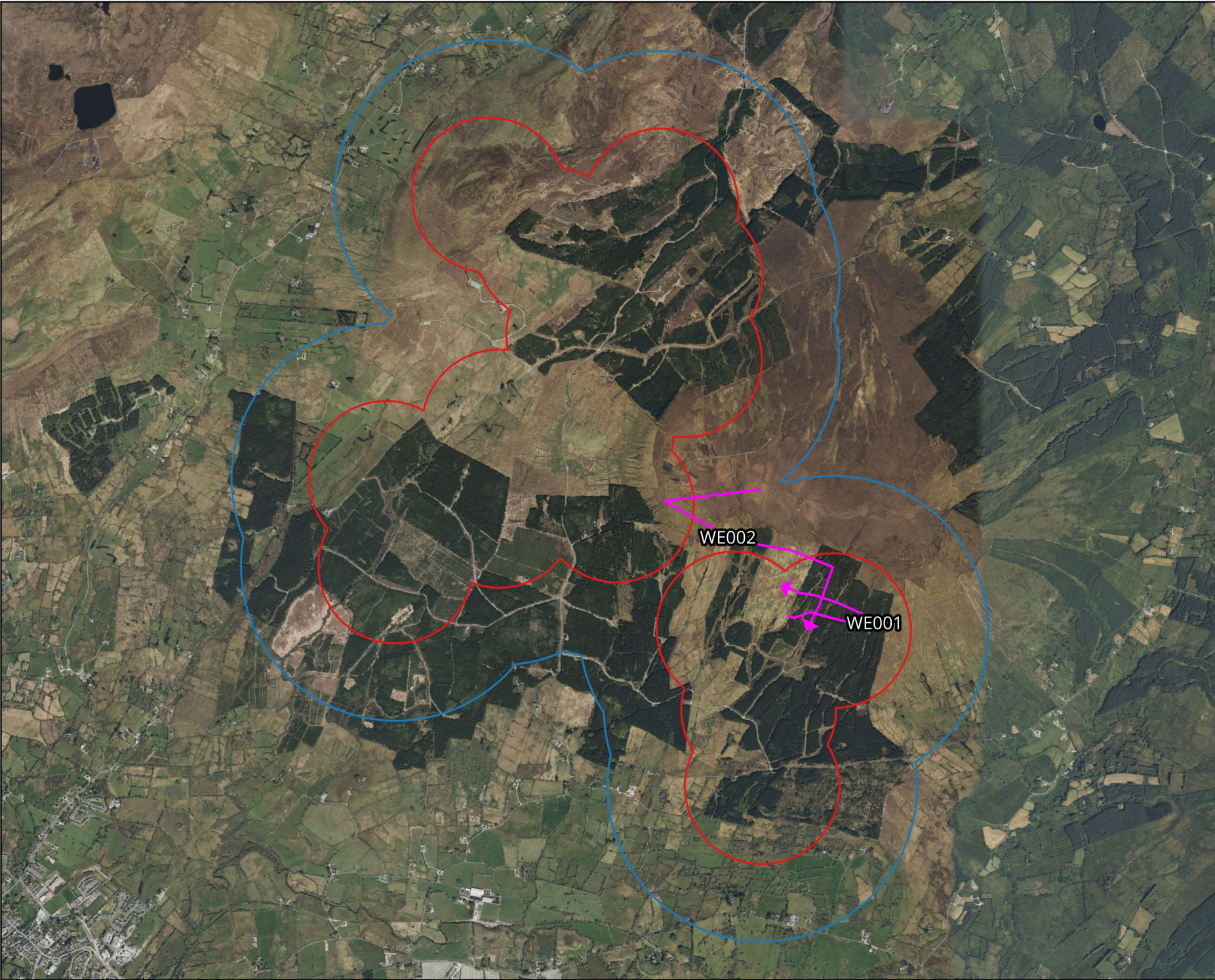
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title	
Hen Harrier Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.2
Scale	Date
1:32,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title
White-tailed Eagle Vantage Point Observations

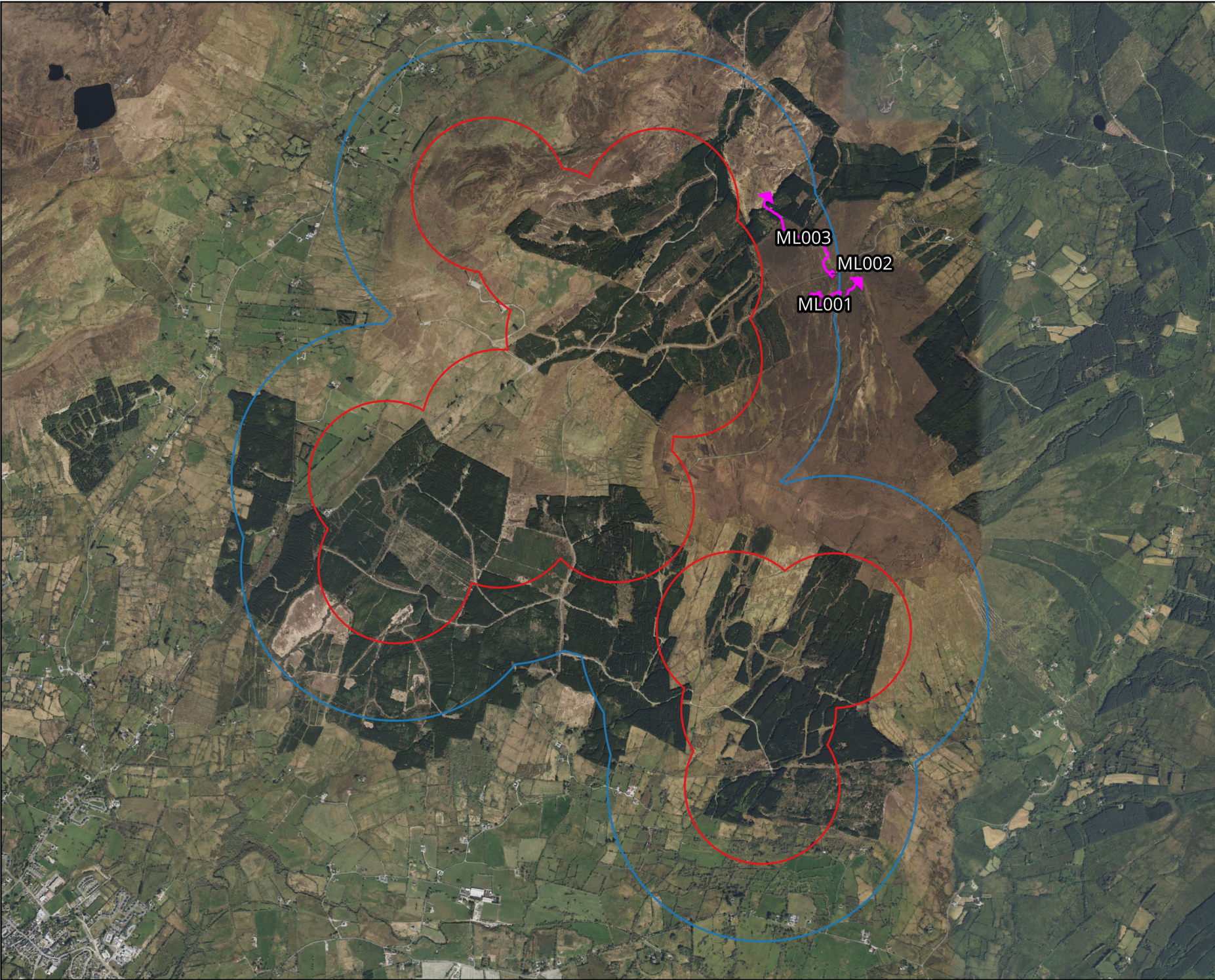
Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
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Project No. 200217-j	Drawing No. Fig 1.3
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Scale 1:32,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline



Drawing Title
Merlin Vantage Point Observations

Project Title
Lissinagroagh

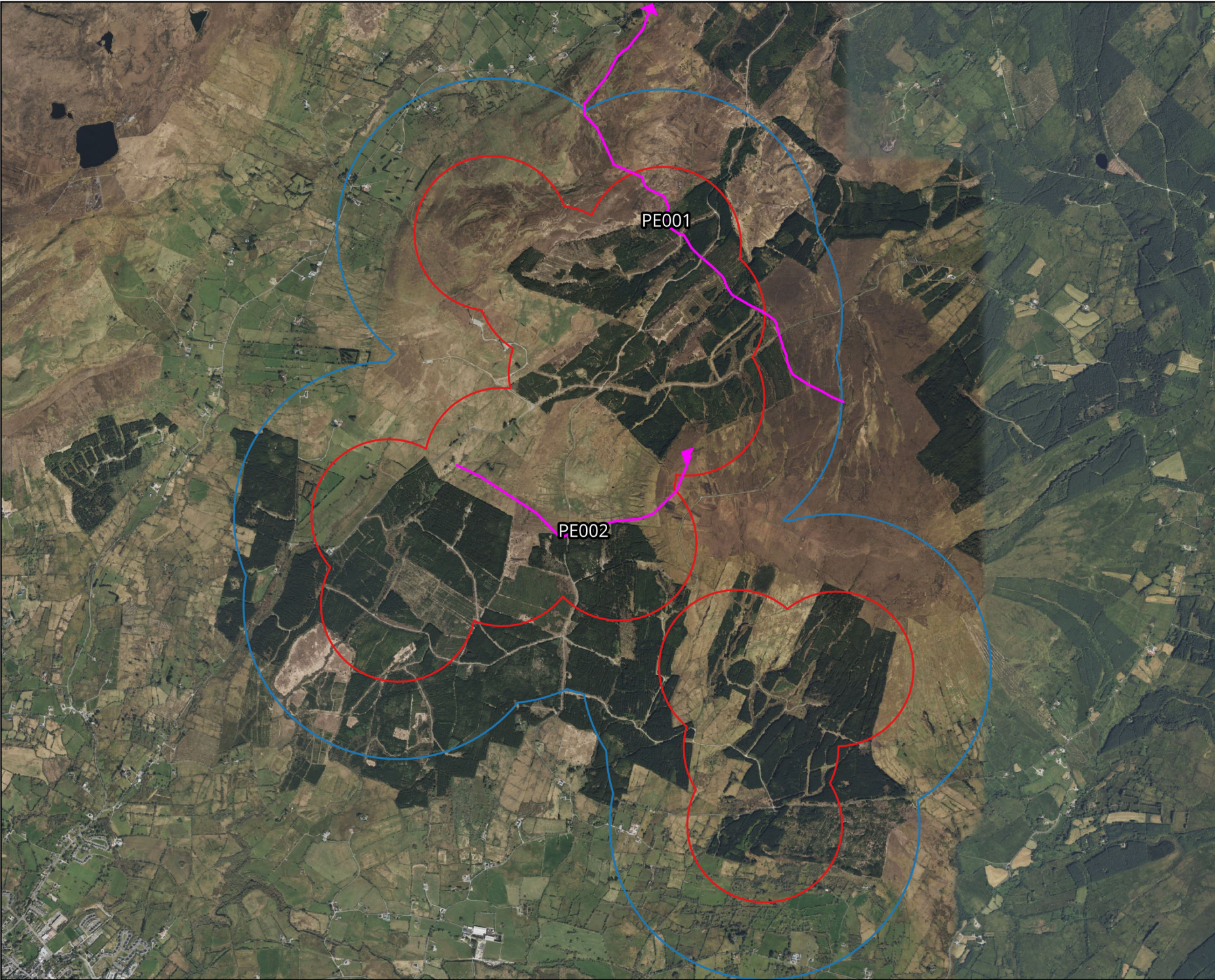
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Project No. 200217-j	Drawing No. Fig 1.4
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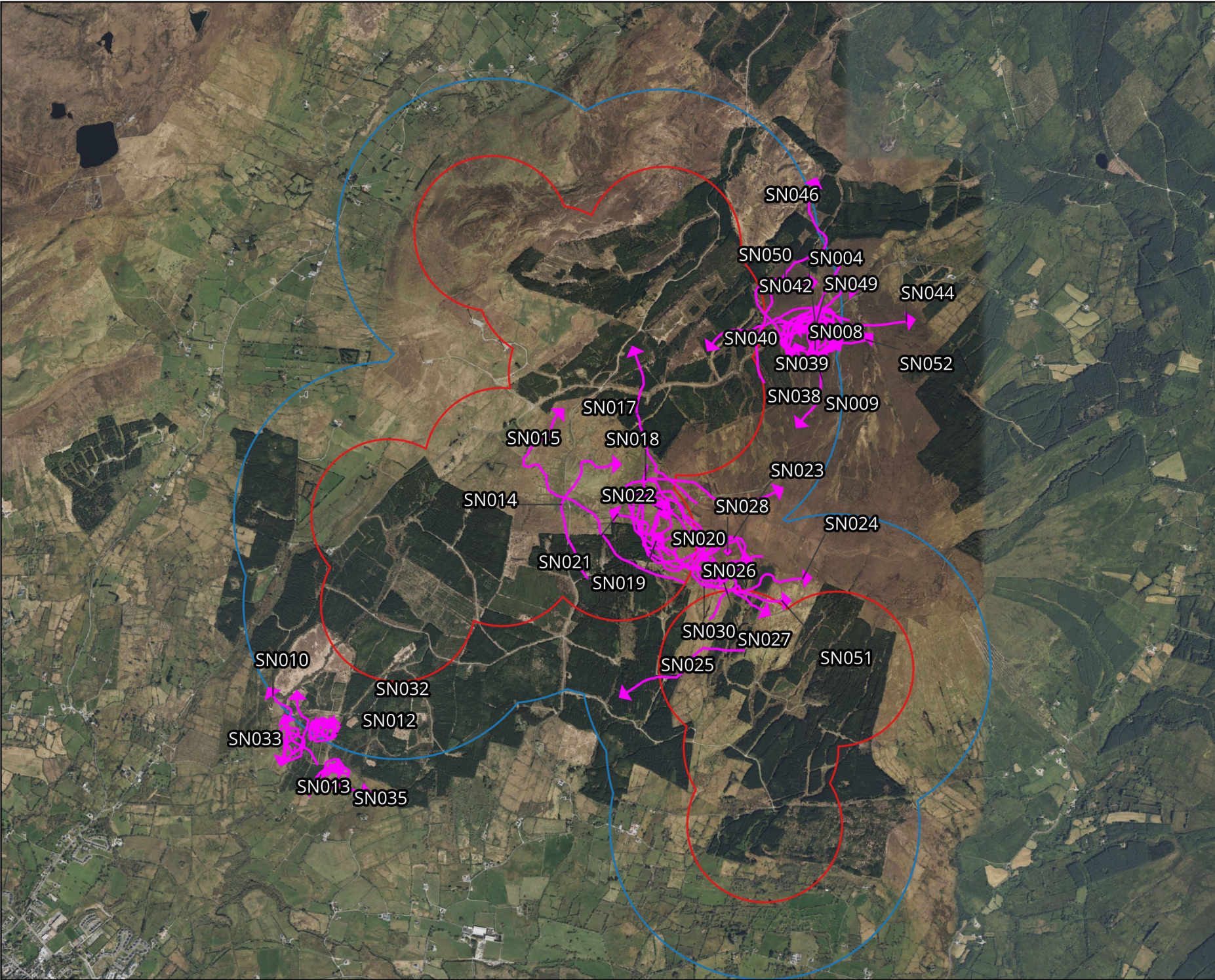
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↗ Flightline

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Drawing Title	
Peregrine Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.5
Scale	Date
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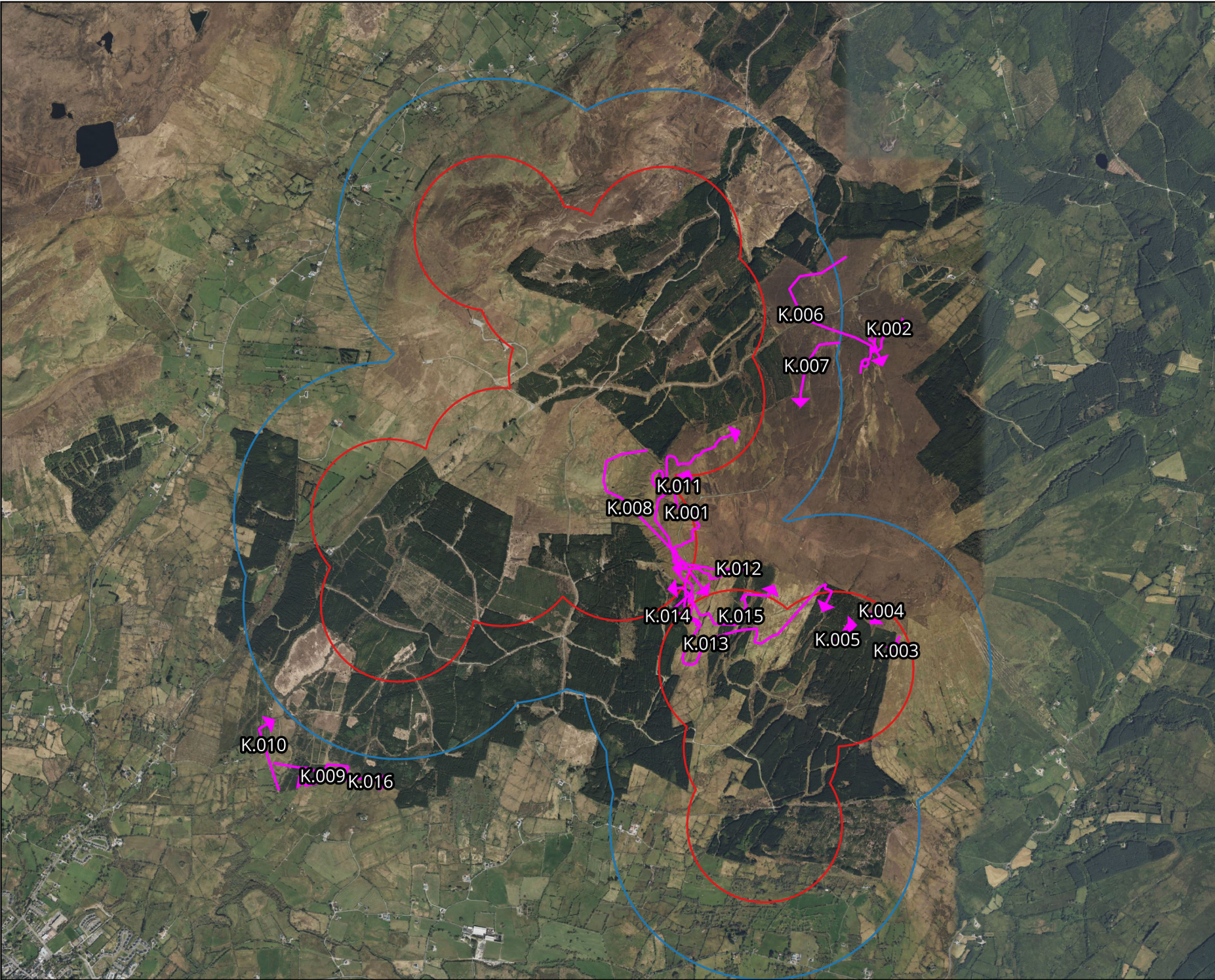
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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Snipe Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.6
Scale	Date
1:32,000	12.12.2025
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- Lissinagroagh 500m radius
- Flightline

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Drawing Title

Kestrel Vantage Point Observations

Project Title

Lissinagroagh

Drawn By

AOD

Checked By

SD

Project No.

200217-j

Drawing No.

Fig 1.7

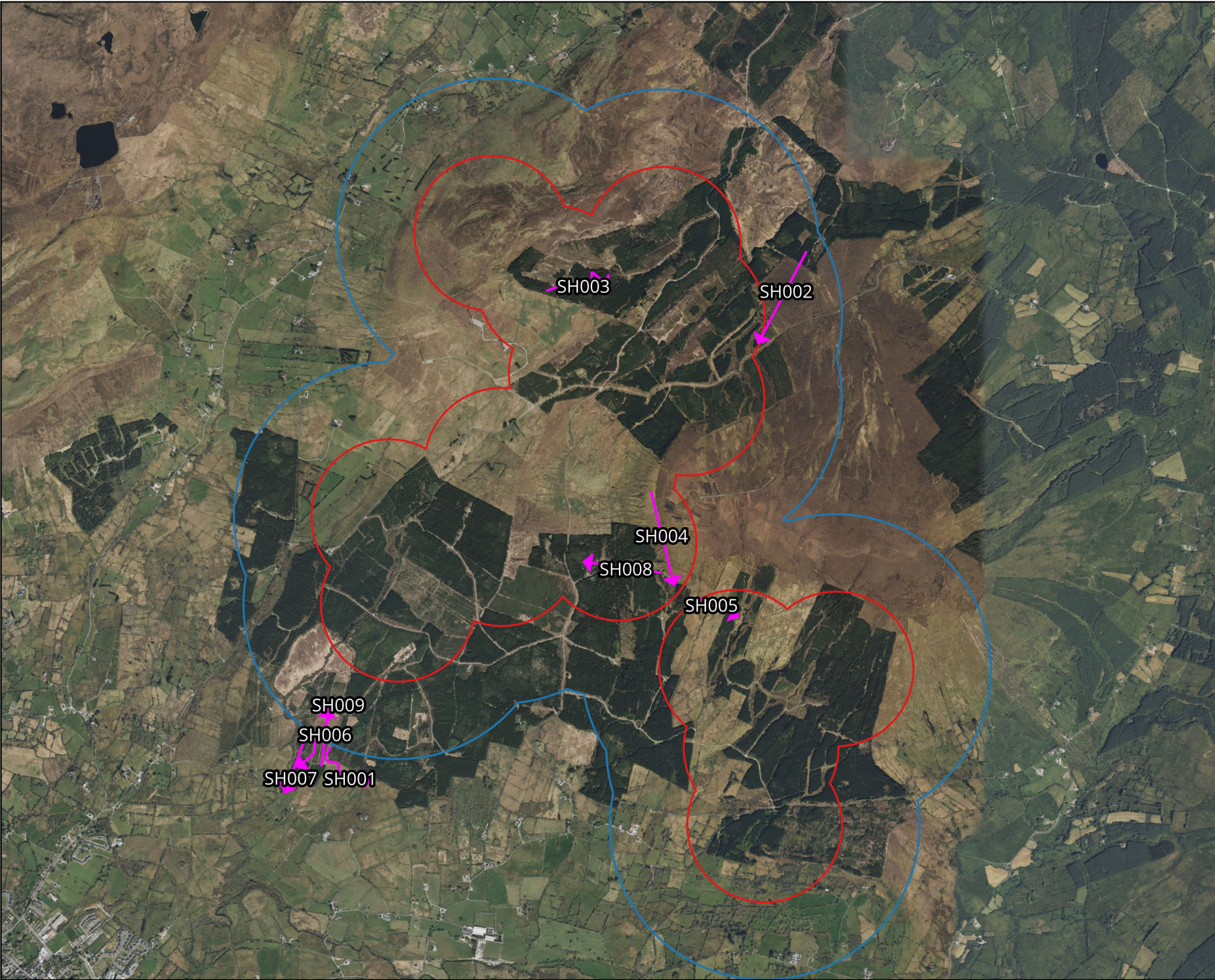
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Date

12.12.2025

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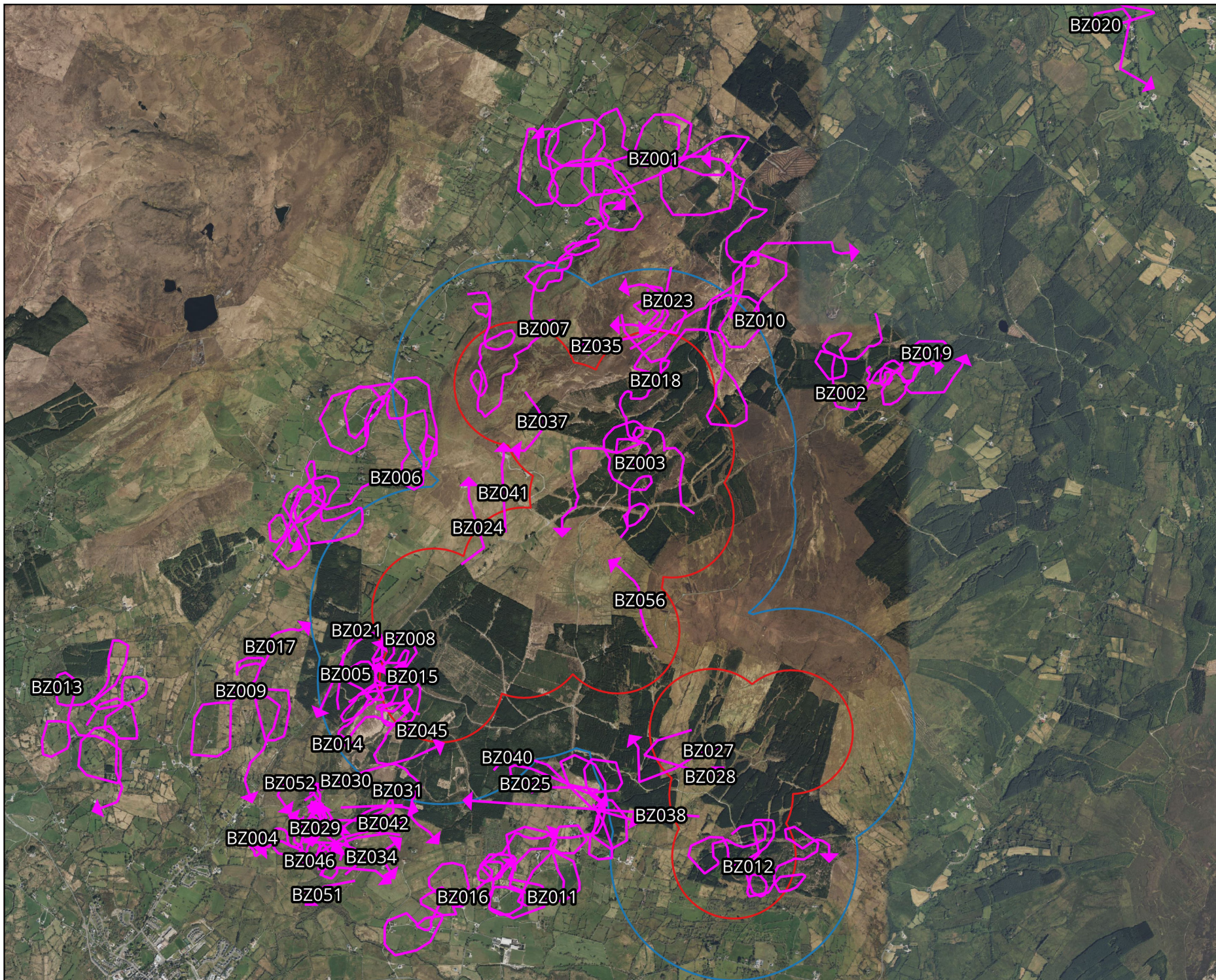
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Sparrowhawk Vantage Point Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 1.8
Scale	Date
1:32,000	12.12.2025
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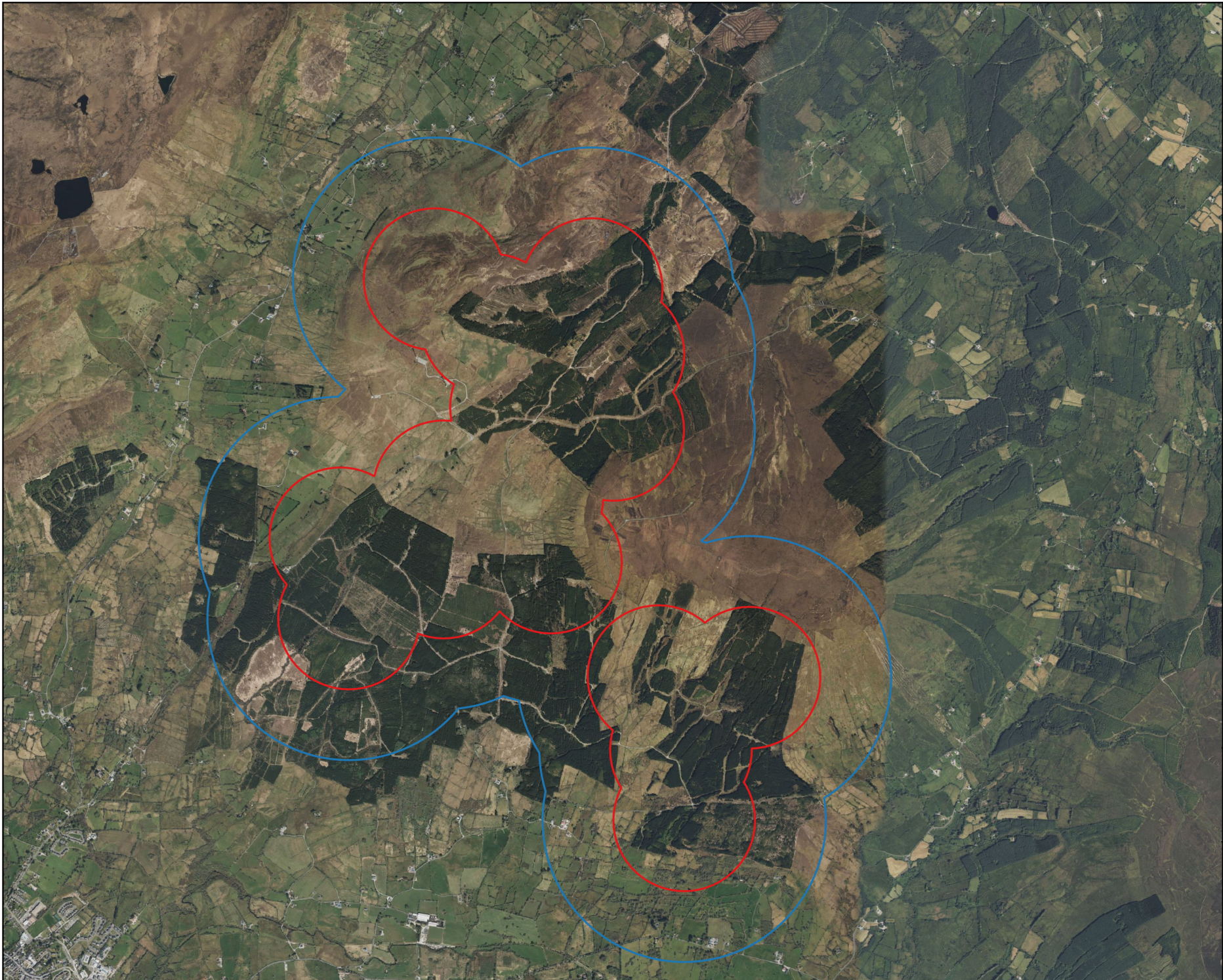
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title Buzzard Vantage Point Observations	
Project Title Lissinagroagh	
Drawn By AOD	Checked By SD
Project No. 200217-j	Drawing No. Fig 1.9
Scale 1:40,000	Date 12.12.2025
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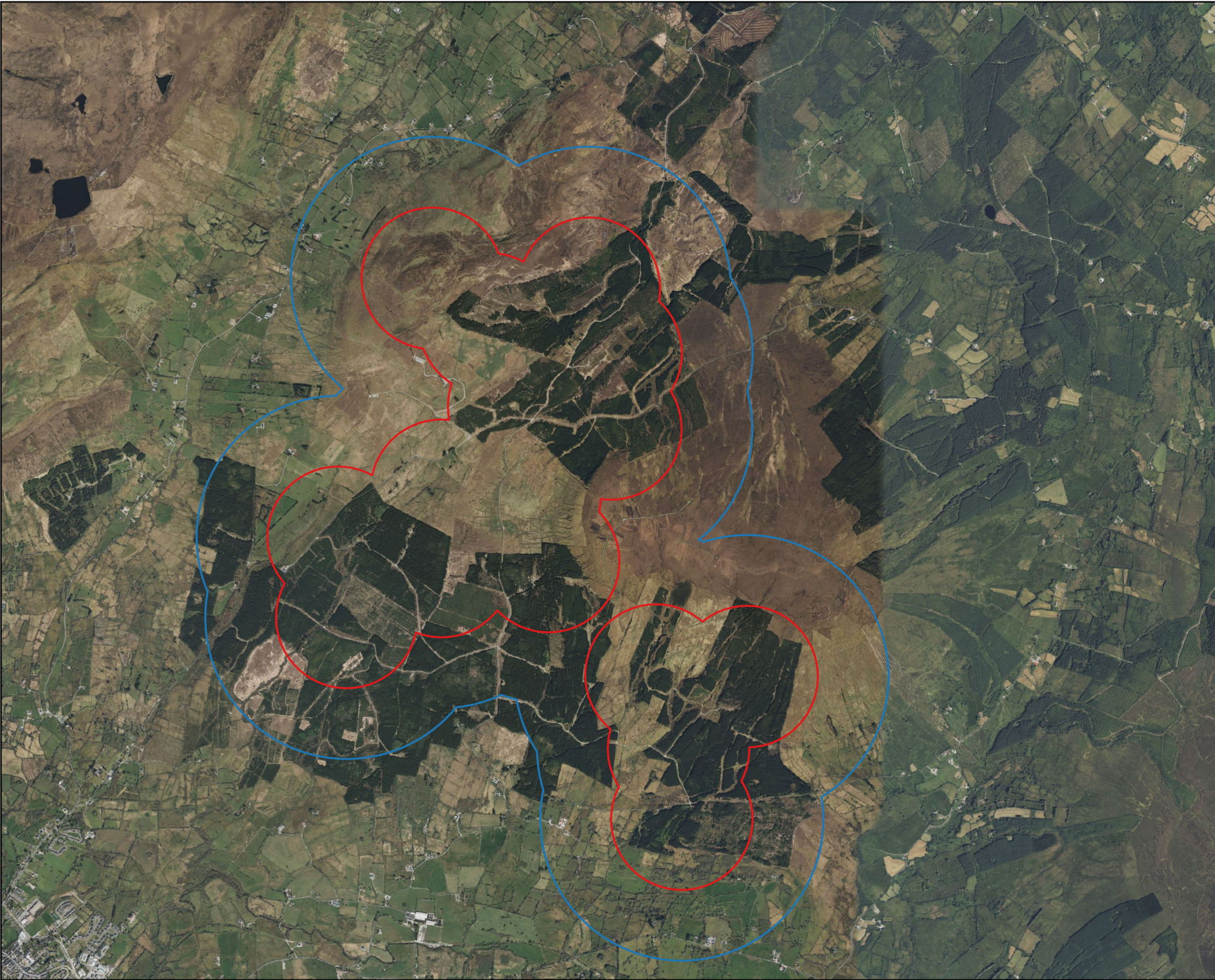
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ▲ Survey Location



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Drawing Title Breeding Raptor Survey Locations	
Project Title Lissinagroagh	
Drawn By AOD	Checked By SD
Project No. 200217-j	Drawing No. Fig 2.0
Scale 1:35,000	Date 12.12.2025
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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title

Hen Harrier Breeding Raptor Observations

Project Title

Lissinagroagh

Drawn By

AOD **SD**

Checked By

200217-j **Fig 2.1**

Project No. Drawing No.

Scale Date

1:35,000 **12.12.2025**

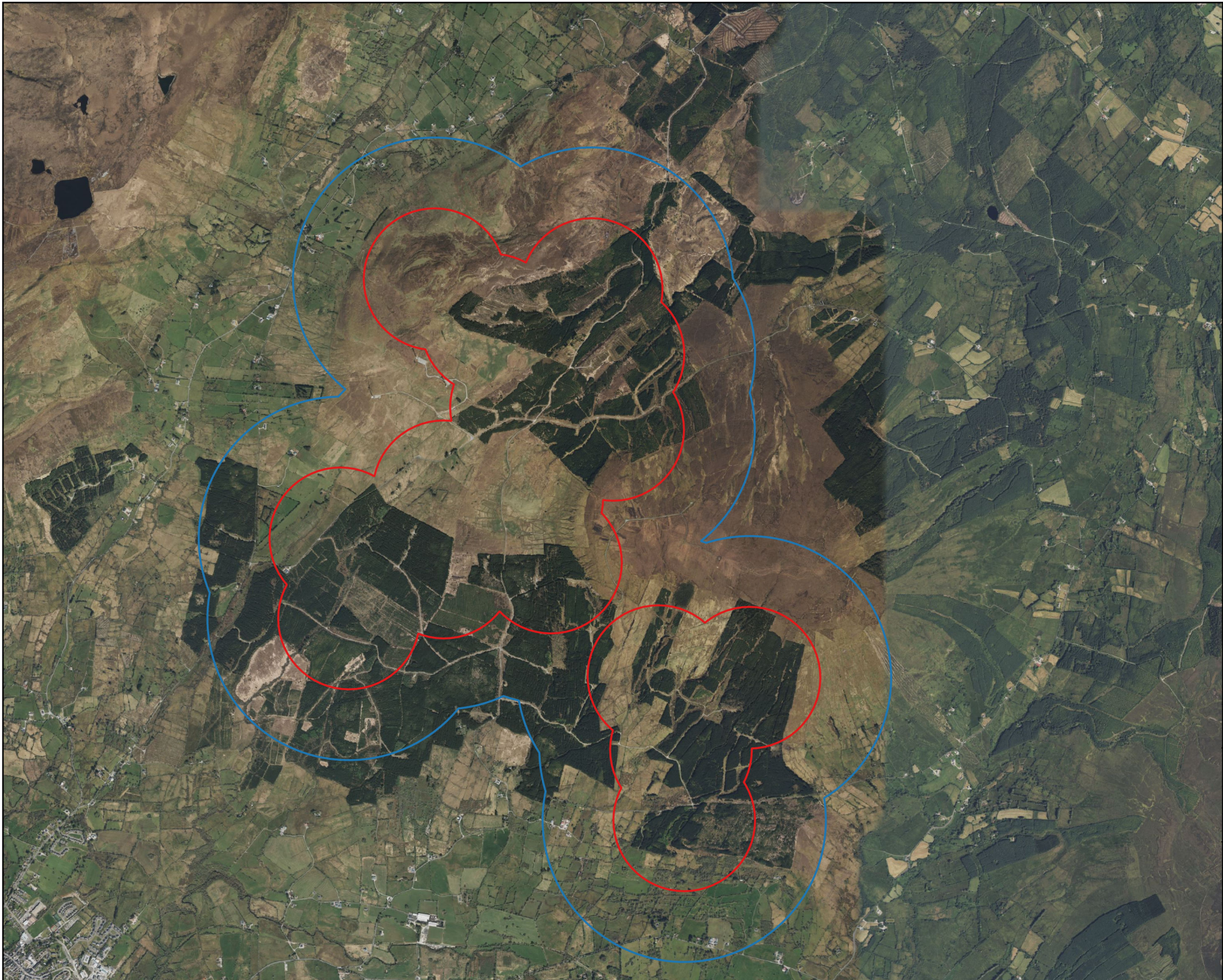
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12.12.2025

Scale Date

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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title
White-tailed Eagle Breeding Raptor Observations

Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
Project No. 200217-j	Drawing No. Fig 2.2
Scale 1:35,000	Date 12.12.2025

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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline



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Drawing Title	
Osprey Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.3
Scale	Date
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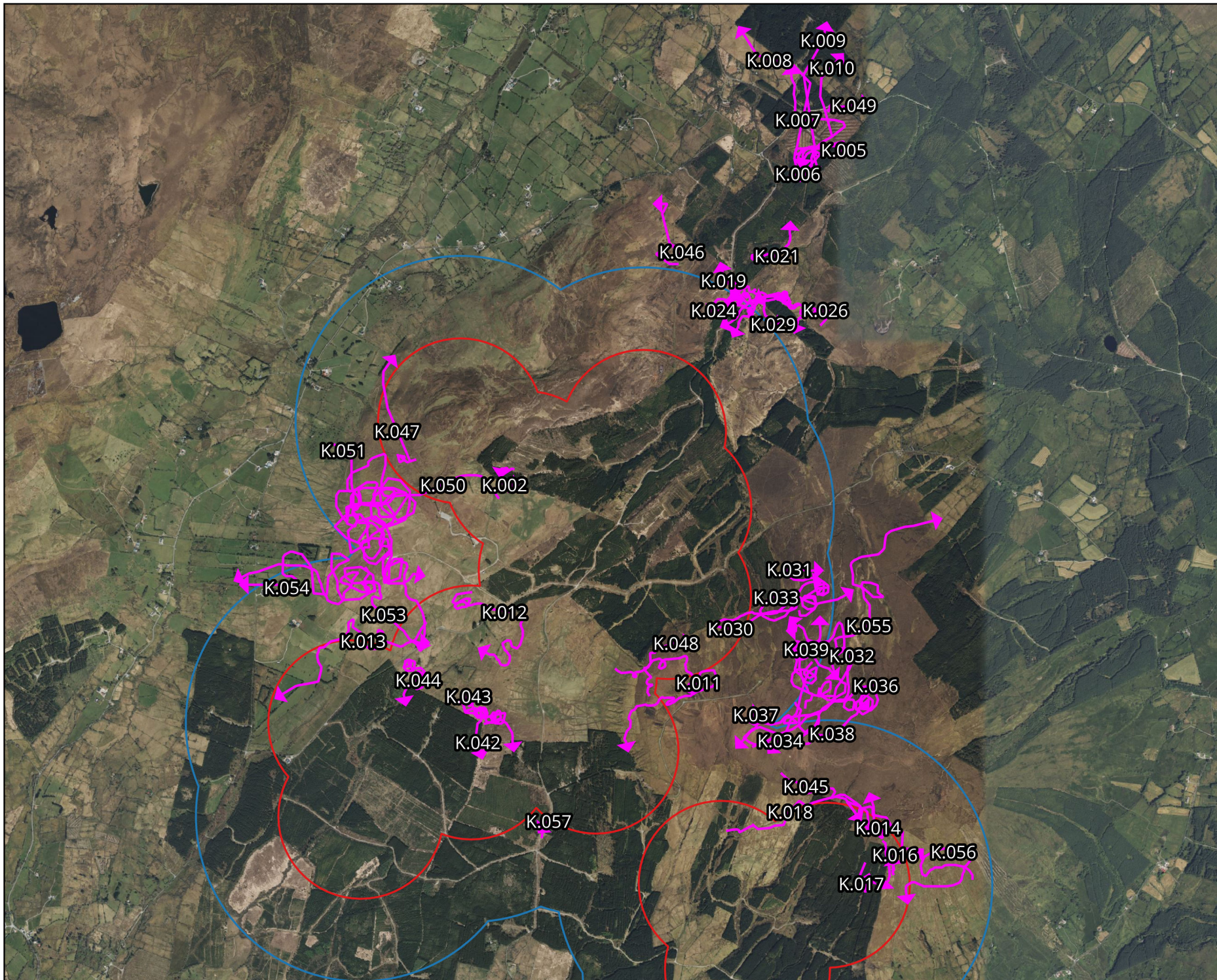
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- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title	
Peregrine Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.4
Scale	Date
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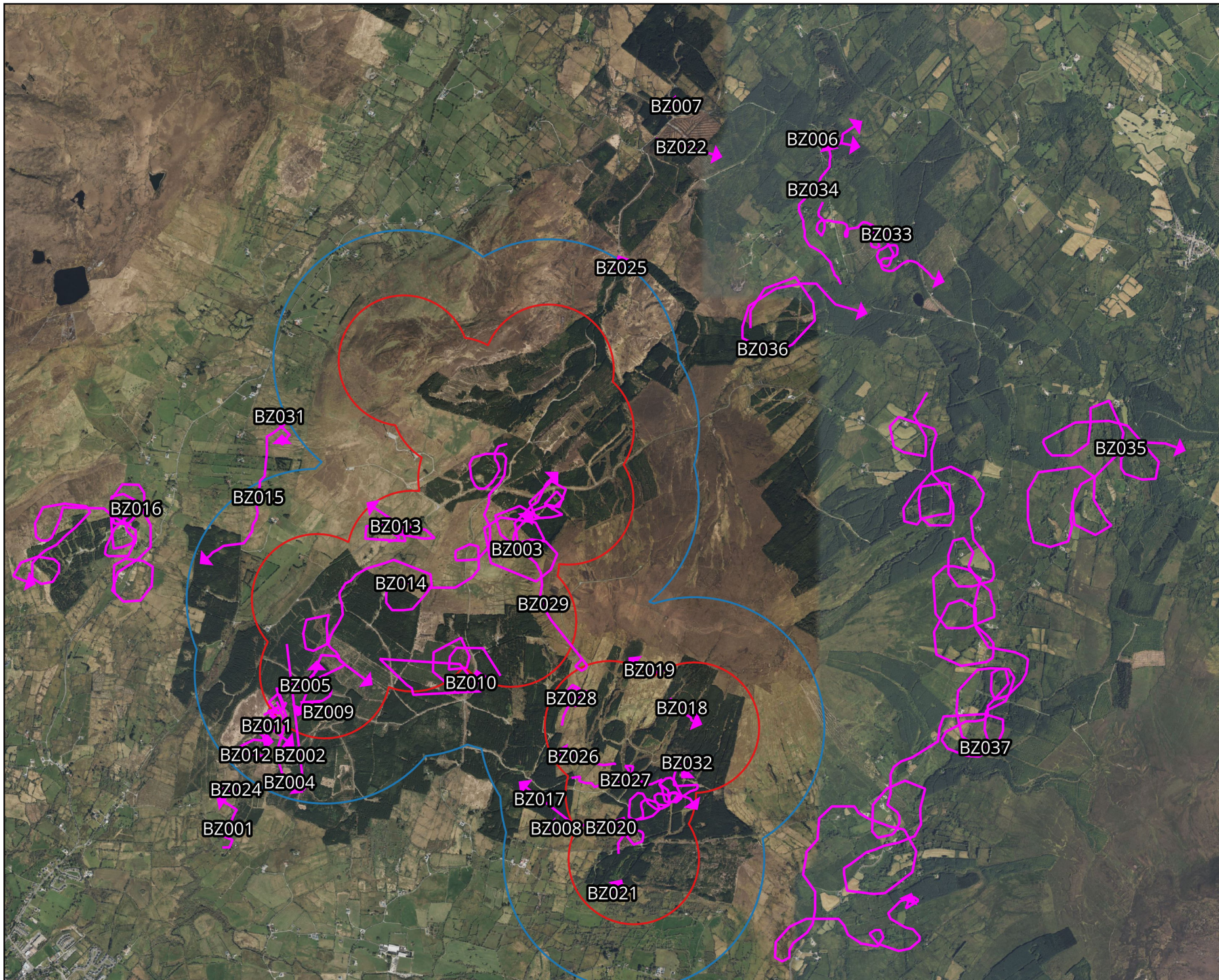
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↗ Flightline



Drawing Title	
Kestrel Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.5
Scale	Date
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline

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Drawing Title	
Buzzard Breeding Raptor Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 2.6
Scale	Date
1:38,000	12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline



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Drawing Title
Sparrowhawk Breeding Raptor Observations

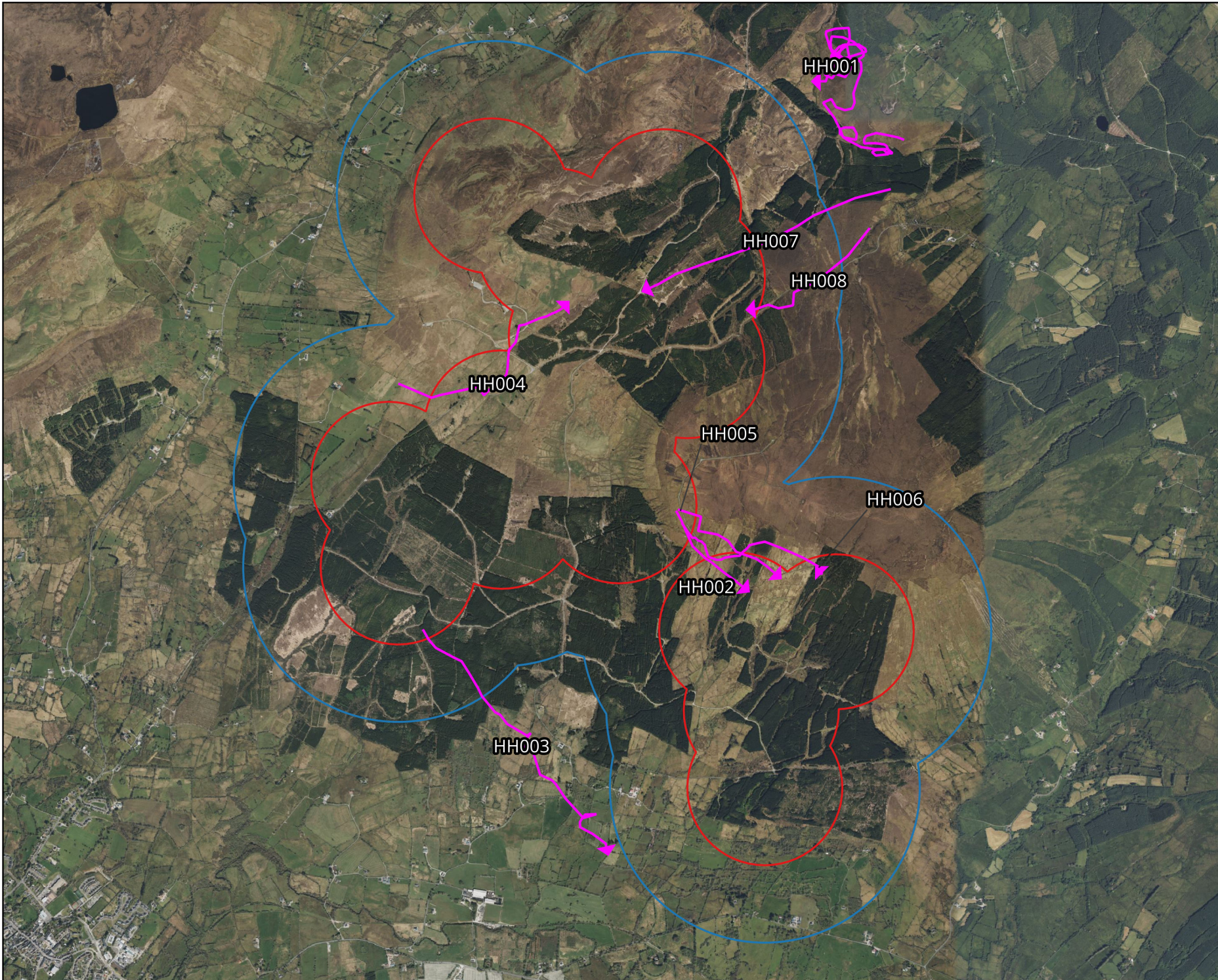
Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
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Project No. 200217-j	Drawing No. Fig 2.7
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Scale 1:30,000	Date 12.12.2025
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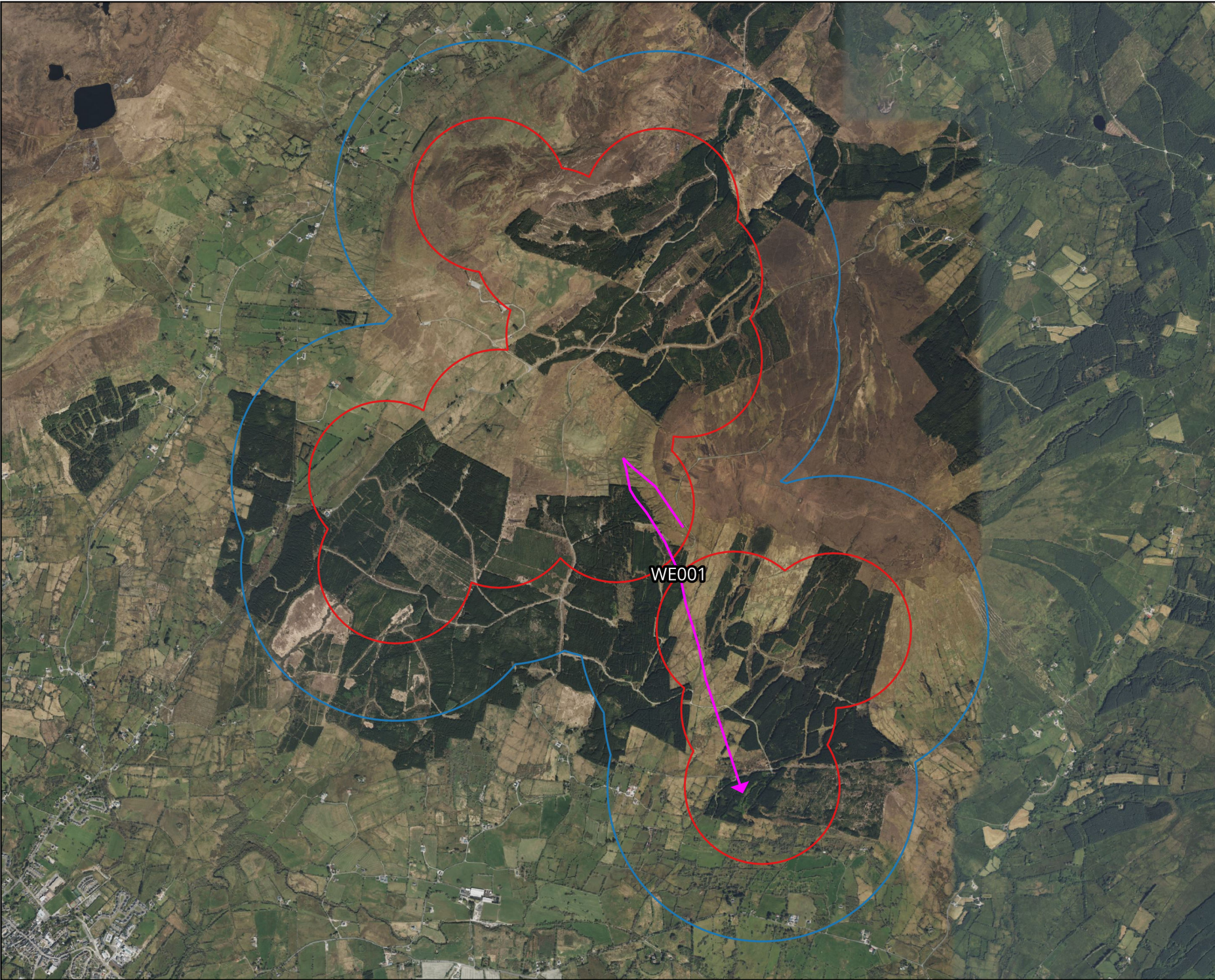
Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title	
Hen Harrier Incidental Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 3.0
Scale	Date
1:32,000	12.12.2025
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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title
White-tailed Eagle Incidental Observations

Project Title
Lissinagroagh

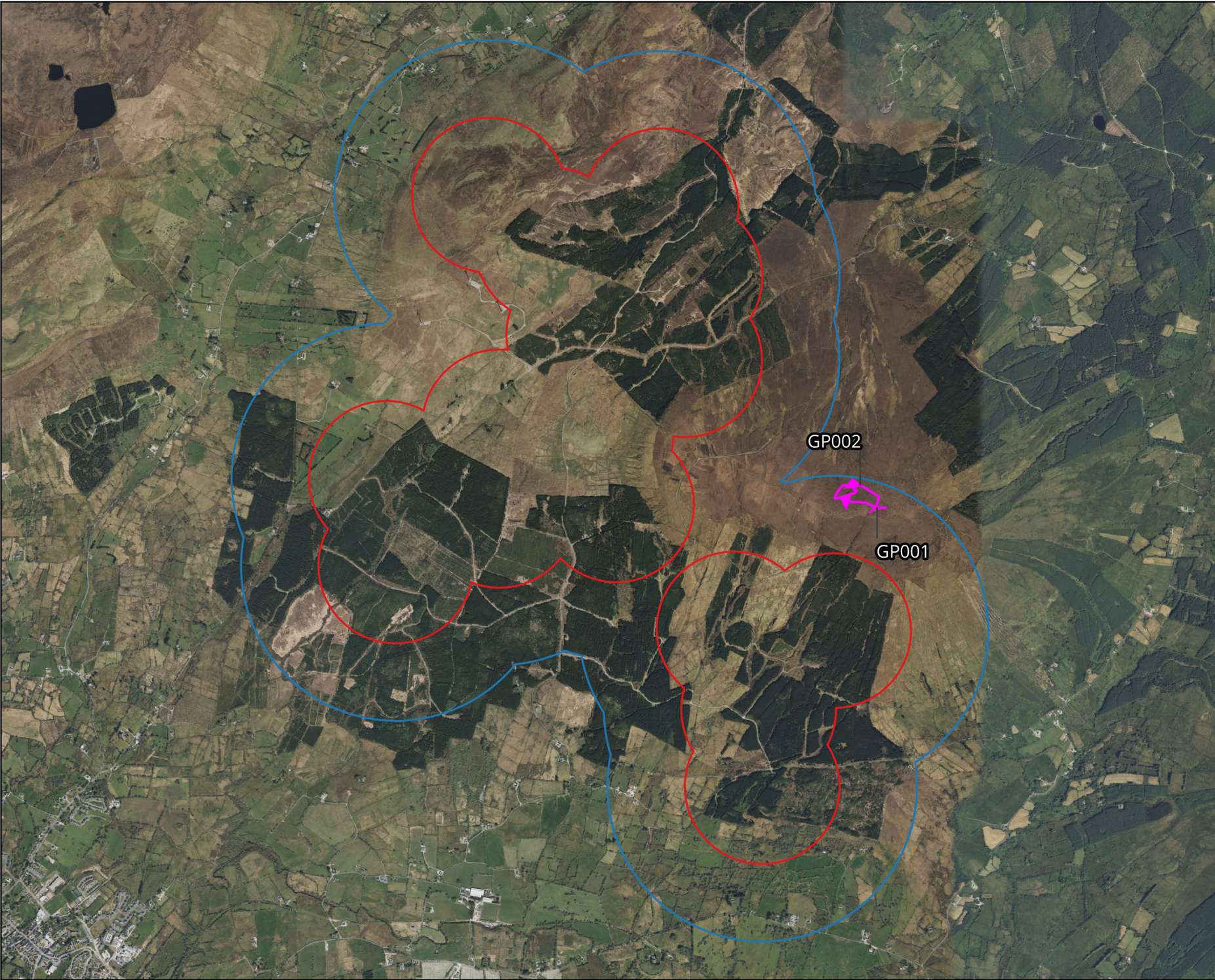
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Project No. 200217-j	Drawing No. Fig 3.1
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Scale 1:32,000	Date 12.12.2025
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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↻ Flightline

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Drawing Title
Golden Plover Incidental Observations

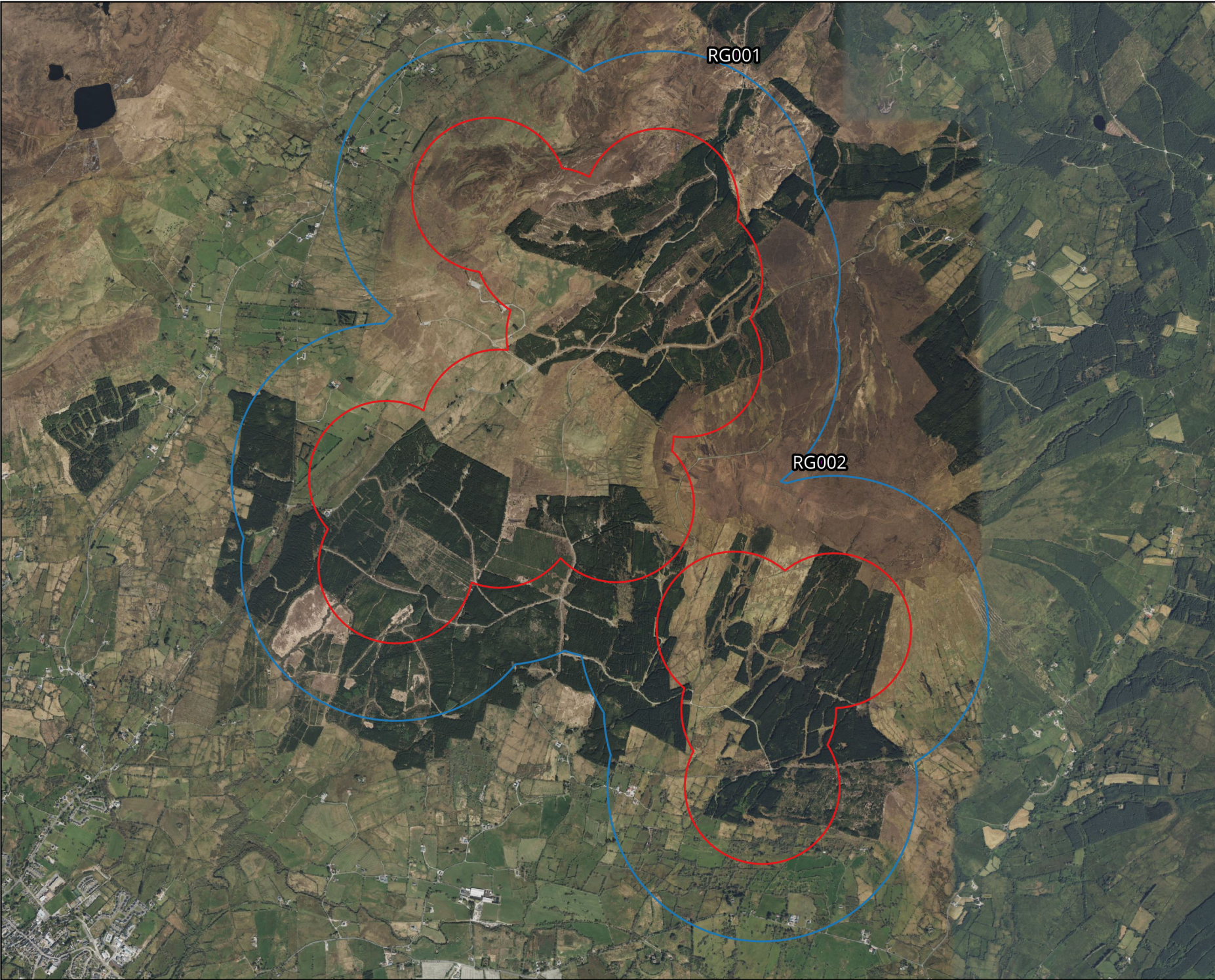
Project Title
Lissinagroagh

Drawn By AOD	Checked By SD
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Project No. 200217-j	Drawing No. Fig 3.2
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Scale 1:32,000	Date 12.12.2025
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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

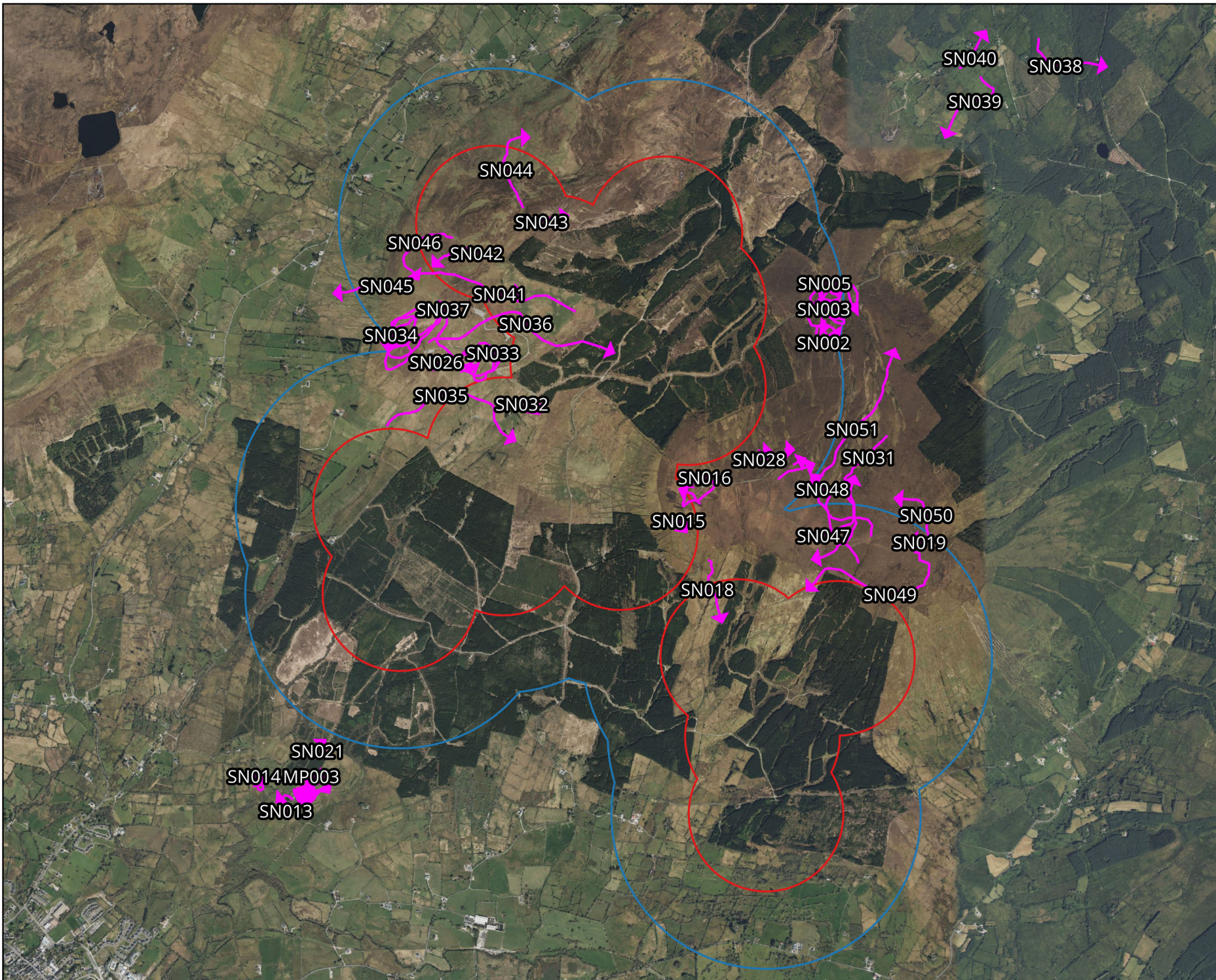
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Drawing Title	
Red Grouse Incidental Observations	
Project Title	
Lissinagroagh	
Drawn By	Checked By
AOD	SD
Project No.	Drawing No.
200217-j	Fig 3.3
Scale	Date
1:32,000	12.12.2025

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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ↗ Flightline



Drawing Title

Snipe Incidental Observations

Project Title

Lissinagroagh

Drawn By

AOD

Checked By

SD

Project No.

200217-j

Drawing No.

Fig 3.4

Scale

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Date

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- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- ➔ Flightline

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Drawing Title

Kestrel Incidental Observations

Project Title

Lissinagroagh

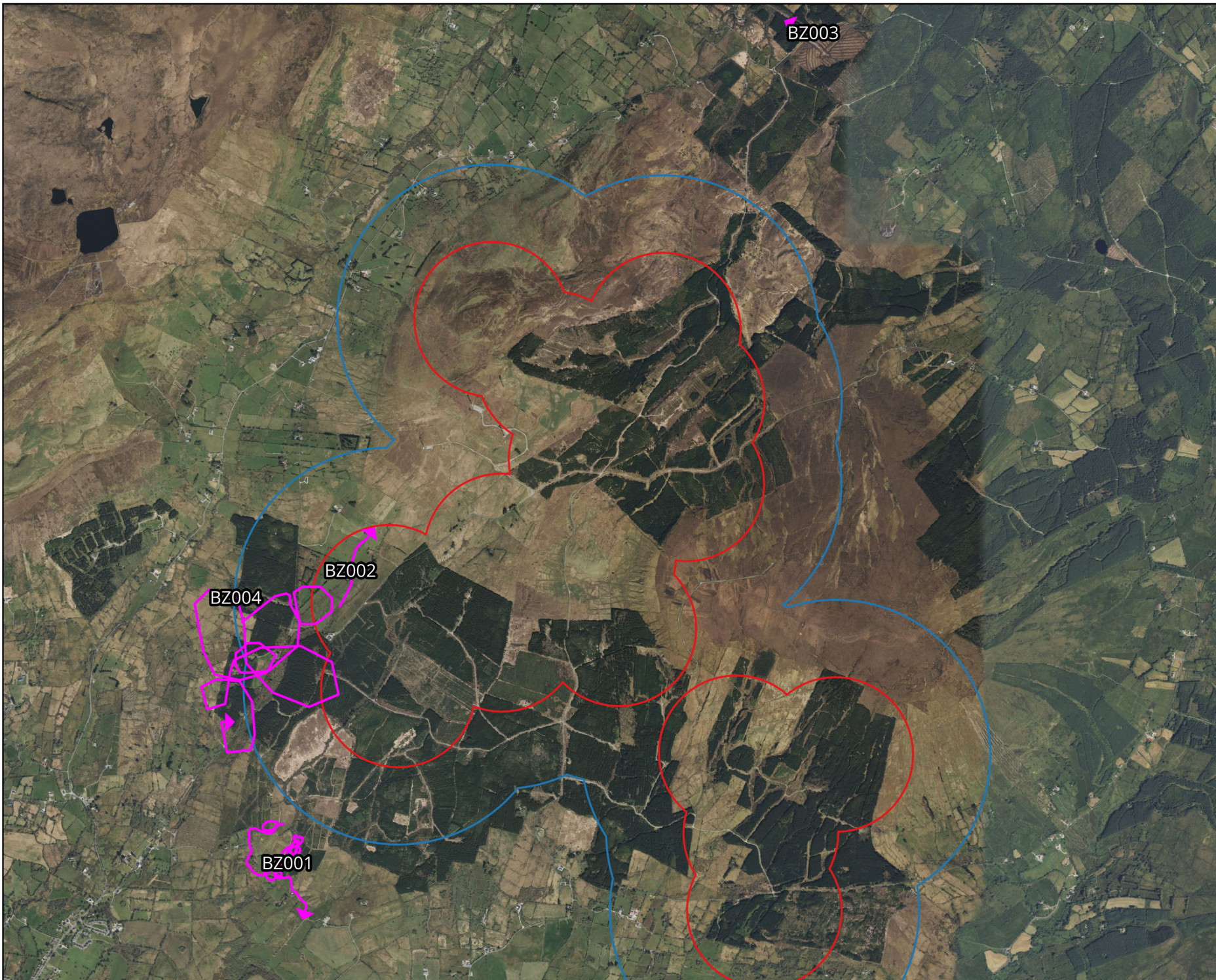
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Project No.: **200217-j** Drawing No.: **Fig 3.5**

Scale: **1:32,000** Date: **12.12.2025**

Scale: **1:32,000** Date: **12.12.2025**

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Map Legend

- Lissinagroagh site boundary
- Lissinagroagh 500m radius
- Flightline



Drawing Title

Buzzard Incidental Observations

Project Title

Lissinagroagh

Drawn By

AOD

Checked By

SD

Project No.

200217-j

Drawing No.

Fig 3.6

Scale

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Date

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APPENDIX 2
DETAILED SURVEY DATA

Table 1.0 Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/04/2025	Vantage Point Survey	VP3	3:00 starting at 14:50	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Clear and bright throughout. High cirrus cloud. Light breeze, 9 - 15°C	NM
08/04/2025	Vantage Point Survey	VP3	3:00 starting at 18:20	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Heat haze apparent on moor. Dusk survey. Sunset - 20:20	NM
09/04/2025	Vantage Point Survey	VP4	3:00 starting at 14:50	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Clear and bright throughout. Light breeze. Warm, heat haze. 10 - 17°C	NM
09/04/2025	Vantage Point Survey	VP4	3:00 starting at 18:22	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Dusk survey. Sunset - 20:22	NM
10/04/2025	Vantage Point Survey	VP2	3:00 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Clear and bright throughout. Warm, 9 - 18°C	NM
10/04/2025	Vantage Point Survey	VP2	3:00 starting at 18:25	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Dusk survey. Sunset - 20:24	NM
11/04/2025	Vantage Point Survey	VP1	3:00 starting at 14:55	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Clear and bright throughout.	NM
11/04/2025	Vantage Point Survey	VP1	3:00 starting at 18:25	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Cloud cover increasing in evening. Dusk survey. Sunset - 20:26	NM
16/04/2025	Breeding Raptor Survey	BR1	3:00 starting at 13:15	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		AOD
16/04/2025	Breeding Raptor Survey	BR4	3:00 starting at 16:50	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
17/04/2025	Breeding Raptor Survey	BR10	3:00 starting at 06:00	Visibility: moderate; Wind speed and direction: light breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		CM
17/04/2025	Breeding Raptor Survey	BR11	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
24/04/2025	Breeding Raptor Survey	BR5	3:00 starting at 06:00	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
24/04/2025	Breeding Raptor Survey	BR12	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
25/04/2025	Breeding Raptor Survey	BR1	3:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AOD
25/04/2025	Breeding Raptor Survey	BR8	2:00 starting at 19:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		AOD
28/04/2025	Breeding Raptor Survey	BR4	3:00 starting at 14:15	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD

28/04/2025	Breeding Raptor Survey	BR13	3:00 starting at 17:25	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AOD
08/05/2025	Vantage Point Survey	VP4	3:00 starting at 04:40	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Clear and bright throughout. Dawn survey. Sunrise - 05:42	NM
08/05/2025	Vantage Point Survey	VP4	3:00 starting at 08:10	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Breeze picking up slightly	NM
08/05/2025	Breeding Raptor Survey	BR7	3:00 starting at 16:15	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
08/05/2025	Breeding Raptor Survey	BR7	3:00 starting at 16:15	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
08/05/2025	Breeding Raptor Survey	BR8	2:00 starting at 19:25	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
08/05/2025	Breeding Raptor Survey	BR8	2:00 starting at 19:25	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
09/05/2025	Vantage Point Survey	VP3	3:00 starting at 04:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	Light frost early. Clear and bright throughout. Cold at dawn, gradually warming. 2 - 15°C. Dawn survey. Sunrise - 05:40	NM
09/05/2025	Vantage Point Survey	VP3	3:00 starting at 08:10	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Breeze dying gradually throughout	NM
20/05/2025	Breeding Raptor Survey	BR1	2:00 starting at 13:55	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AOD
20/05/2025	Breeding Raptor Survey	BR1	1:00 starting at 18:00	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AOD
22/05/2025	Breeding Raptor Survey	BR4	3:00 starting at 11:20	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AOD
23/05/2025	Breeding Raptor Survey	BR13	3:00 starting at 10:25	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AOD
23/05/2025	Breeding Raptor Survey	BR13	1:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AOD
26/05/2025	Vantage Point Survey	VP1	3:00 starting at 04:10	Visibility: limited; Wind speed and direction: moderate breeze W; Cloud cover and height: 3% <150m; Rain: light showers; Frost: none; Snow: none	Low cloud/Fog throughout	RV
26/05/2025	Vantage Point Survey	VP1	3:00 starting at 07:40	Visibility: limited; Wind speed and direction: moderate breeze W; Cloud cover and height: 3% <150m; Rain: light showers; Frost: none; Snow: none	Low cloud/Fog throughout	RV
27/05/2025	Breeding Raptor Survey	BR1	3:00 starting at 15:25	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AOD
27/05/2025	Breeding Raptor Survey	BR1	3:00 starting at 18:45	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		AOD
28/05/2025	Vantage Point Survey	VP2	3:00 starting at 04:10	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 3% <150m; Rain: drizzle; Frost: none; Snow: none	Low cloud clearing slowly	RV

28/05/2025	Vantage Point Survey	VP2	3:00 starting at 07:40	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 3% <150m; Rain: drizzle; Frost: none; Snow: none	Low cloud clearing slowly	RV
30/05/2025	Breeding Raptor Survey	BR13	3:00 starting at 15:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		AOD
30/05/2025	Breeding Raptor Survey	BR13	3:00 starting at 18:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		AOD
05/06/2025	Breeding Raptor Survey	BR13	3:00 starting at 07:20	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AOD
05/06/2025	Breeding Raptor Survey	BR2	1:00 starting at 10:45	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		AOD
08/06/2025	Breeding Raptor Survey	brvp5	3:00 starting at 07:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		KB
08/06/2025	Breeding Raptor Survey	brvp8	3:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		KB
10/06/2025	Breeding Raptor Survey	BR2	3:00 starting at 07:05	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
10/06/2025	Breeding Raptor Survey	BR2	3:00 starting at 10:05	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
10/06/2025	Breeding Raptor Survey	brvp7	3:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KB
10/06/2025	Breeding Raptor Survey	brvp10	3:00 starting at 19:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KB
13/06/2025	Breeding Raptor Survey	BR13	3:00 starting at 15:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AOD
16/06/2025	Breeding Raptor Survey	BR4	3:00 starting at 06:00	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Cool and fresh. BRVP was in cloud until 8am, visibility improving dramatically thereafter.	NM
16/06/2025	Breeding Raptor Survey	BR4	3:00 starting at 09:15	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Largely overcast but bright, sunny patches. 12 - 19°C throughout	NM
19/06/2025	Vantage Point Survey	VP3	6:30 starting at 05:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	SH, LB, BZ and c. 15 MP around VP	RV
20/06/2025	Vantage Point Survey	VP2	6:30 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	3 SI around VP for most of survey	RV
23/06/2025	Breeding Raptor Survey	BR2	3:00 starting at 06:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Largely fair, sunny spells and scattered cloud. Moderate breeze with fresh gusts. Humid, damp underfoot	NM

23/06/2025	Breeding Raptor Survey	BR2	3:00 starting at 09:15	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Bright throughout. Becoming warmer towards noon, 11 - 19°C	NM
25/06/2025	Vantage Point Survey	VP1	3:00 starting at 05:10	Visibility: moderate; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Low cloud and fog first 2 hours, Male HH	RV
25/06/2025	Vantage Point Survey	VP1	3:00 starting at 08:40	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Low cloud and fog first 2 hours, Male HH	RV
28/06/2025	Vantage Point Survey	VP4	6:30 starting at 05:50	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	SH carrying prey, BZ Pair	RV
30/06/2025	Breeding Raptor Survey	BR2	1:00 starting at 08:15	Visibility: limited; Wind speed and direction: light air S; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		AOD
30/06/2025	Breeding Raptor Survey	BR8	3:00 starting at 09:35	Visibility: limited; Wind speed and direction: light air S; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		AOD
01/07/2025	Breeding Raptor Survey	BR2	3:00 starting at 07:25	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AOD
01/07/2025	Breeding Raptor Survey	BR2	3:00 starting at 10:25	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AOD
08/07/2025	Breeding Raptor Survey	BR13	3:00 starting at 06:40	Visibility: limited; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		AOD
08/07/2025	Breeding Raptor Survey	BR10	3:00 starting at 09:55	Visibility: poor; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		AOD
09/07/2025	Breeding Raptor Survey	brvp 12	3:00 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		KB
09/07/2025	Breeding Raptor Survey	brvp 10	3:00 starting at 19:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		KB
14/07/2025	Breeding Raptor Survey	BR10	3:00 starting at 16:45	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none		CM
15/07/2025	Breeding Raptor Survey	brvp 5	3:00 starting at 07:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		KB
15/07/2025	Vantage Point Survey	VP1	3:00 starting at 10:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Visibility limited in passing heavy showers	CM
15/07/2025	Breeding Raptor Survey	brvp 7	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		KB
15/07/2025	Vantage Point Survey	VP1	3:00 starting at 14:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CM
17/07/2025	Breeding Raptor Survey	BR5	3:00 starting at 08:50	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		CM
18/07/2025	Breeding Raptor Survey	BR7	3:00 starting at 06:15	Visibility: poor; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CM
18/07/2025	Breeding Raptor Survey	BR9	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		CM

22/07/2025	Breeding Raptor Survey	BR1	3:00 starting at 05:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		NS
22/07/2025	Breeding Raptor Survey	BR6	3:00 starting at 09:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		NS
22/07/2025	Vantage Point Survey	VP3	3:00 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 3% >500m; Rain: none; Frost: none; Snow: none	BZ,SN,K	RV
22/07/2025	Vantage Point Survey	VP3	3:00 starting at 18:45	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 3% >500m; Rain: none; Frost: none; Snow: none		RV
23/07/2025	Breeding Raptor Survey	BR4	3:00 starting at 05:40	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		NS
23/07/2025	Breeding Raptor Survey	BR3	3:00 starting at 09:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		NS
23/07/2025	Vantage Point Survey	VP2	3:00 starting at 15:15	Visibility: moderate; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 3% 150-500m; Rain: none; Frost: none; Snow: none	K,HH,BZ,SH	RV
23/07/2025	Vantage Point Survey	VP2	3:00 starting at 18:45	Visibility: moderate; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 3% 150-500m; Rain: none; Frost: none; Snow: none		RV
24/07/2025	Breeding Raptor Survey	BR10	3:00 starting at 05:55	Visibility: moderate; Wind speed and direction: light air S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CM
24/07/2025	Breeding Raptor Survey	BR11	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CM
25/07/2025	Breeding Raptor Survey	BR13	3:00 starting at 09:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	New location (BR13) to follow up HH activity.	CM
27/07/2025	Vantage Point Survey	VP4	3:00 starting at 06:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	BZ,K	RV
27/07/2025	Vantage Point Survey	VP4	3:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		RV
28/07/2025	Breeding Raptor Survey	BR13	3:00 starting at 06:10	Visibility: moderate; Wind speed and direction: light air W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	New location (BR13) to follow up HH activity.	CM
07/08/2025	Breeding Raptor Survey	BR10	3:00 starting at 09:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		CM
08/08/2025	Breeding Raptor Survey	BR5	3:00 starting at 06:20	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		CM
08/08/2025	Breeding Raptor Survey	BR7	3:00 starting at 09:45	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
08/08/2025	Vantage Point Survey	VP1	6:30 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 2% >500m; Rain: none; Frost: none; Snow: none	HH,WE,MP	RV
09/08/2025	Vantage Point Survey	VP2	6:30 starting at 06:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 2% >500m; Rain: none; Frost: none; Snow: none	WE,PE,K,MP	RV
10/08/2025	Vantage Point Survey	VP3	6:30 starting at 14:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 3% 150-500m; Rain: light showers; Frost: none; Snow: none	MP	RV

11/08/2025	Breeding Raptor Survey	BR6	3:00 starting at 06:20	Visibility: poor; Wind speed and direction: light air S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CM
11/08/2025	Vantage Point Survey	VP4	6:30 starting at 14:30	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 2% >500m; Rain: none; Frost: none; Snow: none	BZ,MP. SH Juveniles heard but not seen to west of VP	RV
12/08/2025	Breeding Raptor Survey	BR4	3:00 starting at 06:25	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
12/08/2025	Breeding Raptor Survey	BR11	3:00 starting at 09:35	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		CM
19/08/2025	Breeding Raptor Survey	BR3	2:00 starting at 06:15	Visibility: poor; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		CM
19/08/2025	Breeding Raptor Survey	BR3	1:00 starting at 08:15	Visibility: moderate; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		CM
19/08/2025	Breeding Raptor Survey	BR2	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
22/08/2025	Breeding Raptor Survey	BR8	3:00 starting at 06:10	Visibility: moderate; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		CM
22/08/2025	Breeding Raptor Survey	BR9	3:00 starting at 09:25	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		CM
27/08/2025	Breeding Raptor Survey	BR1	3:00 starting at 09:10	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CM
29/08/2025	Breeding Raptor Survey	BR12	3:00 starting at 09:30	Visibility: poor; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CM
03/09/2025	Breeding Raptor Survey	BR1	3:00 starting at 06:15	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CM
03/09/2025	Breeding Raptor Survey	BR3	3:00 starting at 09:35	Visibility: moderate; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		CM
03/09/2025	Breeding Raptor Survey	BR10	3:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none	Sunny spells and scattered heavy showers. Rain easing throughout afternoon. Blustery breeze throughout, 14 - 17°C	NM
03/09/2025	Breeding Raptor Survey	BR9	3:00 starting at 17:15	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: none; Snow: none	Becoming largely fair with occasional drizzle	NM
04/09/2025	Breeding Raptor Survey	BR7	3:00 starting at 06:45	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CM
04/09/2025	Breeding Raptor Survey	BR8	3:00 starting at 10:05	Visibility: moderate; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		CM
05/09/2025	Breeding Raptor Survey	BR12	3:00 starting at 06:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Mostly overcast but fair, fleeting sunshine. Fresh breeze, 13 - 17°C	NM

05/09/2025	Breeding Raptor Survey	BR11	3:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	Faint blustery drizzle	NM
08/09/2025	Vantage Point Survey	VP1	3:00 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		CM
09/09/2025	Vantage Point Survey	VP1	2:00 starting at 06:05	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		CM
09/09/2025	Vantage Point Survey	VP1	1:00 starting at 08:05	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CM
09/09/2025	Breeding Raptor Survey	BR5	3:00 starting at 09:30	Visibility: poor; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CM
16/09/2025	Breeding Raptor Survey	BR6	3:00 starting at 09:35	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		CM
16/09/2025	Vantage Point Survey	VP2	3:00 starting at 13:15	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		CM
16/09/2025	Breeding Raptor Survey	BR4	2:00 starting at 16:30	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Forecast heavy rain arriving from south, postponed final hour.	CM
17/09/2025	Vantage Point Survey	VP2	3:00 starting at 06:10	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		CM
17/09/2025	Breeding Raptor Survey	BR4	1:00 starting at 09:30	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CM
17/09/2025	Breeding Raptor Survey	BR2	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		CM
25/09/2025	Vantage Point Survey	VP4	3:00 starting at 09:20	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AOD
25/09/2025	Vantage Point Survey	VP4	1:00 starting at 13:05	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AOD
29/09/2025	Vantage Point Survey	VP4	2:00 starting at 06:40	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AOD
26/09/2026	Vantage Point Survey	VP3	3:00 starting at 06:25	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KB
26/09/2026	Vantage Point Survey	VP3	3:00 starting at 09:55	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KB

Table 1.1 Vantage Point Surveys

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
MP001	VP3	08/04/2025	15:00	Meadow Pipit	11	0	0	0	0	0	bogs; flitting, calling, displaying, perched, within moorland adjacent to vp throughout. scattered, numbers rough. max flock - 11	NM
SN001	VP3	08/04/2025	15:49	Snipe	1	3	3	0	0	0	bogs; flitting, landing, fluttering low over moor very briefly, landing	NM
HH001	VP3	08/04/2025	16:10	Hen Harrier	1	110	0	0	30	80	bogs and conifer plantation; skydancing, male	NM
BZ001	VP3	08/04/2025	16:10	Buzzard	2	700	0	0	0	700	bogs, conifer plantation and improved agricultural grassland; soaring, circling, off site	NM
SN002	VP3	08/04/2025	16:15	Snipe	13	0	0	0	0	0	bogs; chirping on ground, frequent calls throughout on moor adjacent to vp, numbers rough	NM
SN003	VP3	08/04/2025	16:36	Snipe	3	8	8	0	0	0	bogs; flitting, chasing, fluttering low over moor very briefly, landing	NM
SN004	VP3	08/04/2025	16:58	Snipe	1	25	10	15	0	0	bogs and scrub; flying, calling, landing	NM
BZ002	VP3	08/04/2025	17:41	Buzzard	1	70	0	0	15	55	conifer plantation, bogs and improved agricultural grassland; soaring, circling	NM
SN005	VP3	08/04/2025	19:04	Snipe	1	30	0	0	30	0	bogs; flying, calling	NM
PE001	VP3	08/04/2025	19:23	Peregrine Falcon	1	50	0	0	20	30	bogs and conifer plantation; travelling	NM
BZ003	VP3	08/04/2025	20:17	Buzzard	1	40	0	0	30	10	conifer plantation and bogs; gliding, circling	NM
SN006	VP3	08/04/2025	20:19	Snipe	7	15	15	0	0	0	bogs; flitting, fluttering, courting, calling, flurry of calls. followed by fluttering low over moor very briefly	NM
SN007	VP3	08/04/2025	20:28	Snipe	1	5	5	0	0	0	bogs; flitting, fluttering, fluttering low over moor very briefly, landing	NM
SN008	VP3	08/04/2025	20:41	Snipe	3	10	10	0	0	0	bogs; flitting, fluttering, chasing, fluttering low over moor very briefly, landing	NM
SN009	VP3	08/04/2025	20:50	Snipe	5	2100	50	50	1000	1000	bogs; drumming, swirling, chasing, over vp at dusk. scattered + separate territories, numbers rough. active until end of survey	NM
GB001	VP4	09/04/2025	15:14	Great Black-backed Gull	2	55	0	45	10	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
MP002	VP4	09/04/2025	15:30	Meadow Pipit	3	0	0	0	0	0	mixed conifer woodland, improved agricultural grassland and scrub; flying, calling, perched, regular flights across vp area throughout, occasional display calls. numbers rough, max flock - 3	NM

LB001	VP4	09/04/2025	16:08	Lesser Black-backed Gull	12	370	0	0	0	370	improved agricultural grassland; swirling, calling, off site. moving away southwest	NM
LB002	VP4	09/04/2025	16:39	Lesser Black-backed Gull	3	45	0	0	30	15	conifer plantation, scrub and bogs; travelling	NM
BZ004	VP4	09/04/2025	17:07	Buzzard	1	210	0	20	40	150	improved agricultural grassland and scrub/transitional woodland; soaring, circling, off site. descending into farmland	NM
SN010	VP4	09/04/2025	17:48	Snipe	2	25	0	0	25	0	mixed conifer woodland, scrub and improved agricultural grassland; flying, calling	NM
LB003	VP4	09/04/2025	18:31	Lesser Black-backed Gull	4	45	0	0	20	25	improved agricultural grassland; travelling	NM
LB004	VP4	09/04/2025	18:59	Lesser Black-backed Gull	1	35	0	0	0	35	conifer plantation, scrub and improved agricultural grassland; travelling	NM
BZ005	VP4	09/04/2025	19:37	Buzzard	2	65	0	10	40	15	conifer plantation and scrub; circling, calling, dropping into forestry	NM
SN011	VP4	09/04/2025	20:19	Snipe	1	30	0	0	0	30	improved agricultural grassland and mixed conifer woodland; flying, calling	NM
SN012	VP4	09/04/2025	20:35	Snipe	1	150	0	60	90	0	bogs, scrub and highly modified/non-native woodland; drumming, swooping	NM
SN013	VP4	09/04/2025	20:53	Snipe	2	1200	0	100	1000	100	improved agricultural grassland and semi-natural grassland; drumming, over boggy pasture, numbers rough	NM
MP003	VP2	10/04/2025	15:00	Meadow Pipit	9	0	0	0	0	0	bogs and semi-natural grassland; flitting, calling, displaying, perched, scattered throughout moorland adjacent to vp throughout survey, numbers rough. max flock - 9	NM
W.001	VP2	10/04/2025	15:09	Wheatear	3	50	50	0	0	0	bogs and semi-natural grassland; flitting, perched	NM
BZ006	VP2	10/04/2025	15:50	Buzzard	2	670	0	0	40	630	improved agricultural grassland, conifer plantation and scrub/transitional woodland; soaring, circling, off site, moving gradually south	NM
BZ007	VP2	10/04/2025	16:22	Buzzard	2	310	0	0	45	265	bogs and improved agricultural grassland; soaring, hanging high on breeze	NM
SN014	VP2	10/04/2025	17:05	Snipe	1	40	5	10	25	0	bogs and semi-natural grassland; flying, calling, dropping into rough farmland	NM
SN015	VP2	10/04/2025	17:47	Snipe	2	35	10	10	15	0	bogs, conifer plantation and improved agricultural grassland; flying, calling, swooping	NM
BZ008	VP2	10/04/2025	18:26	Buzzard	1	50	0	20	20	10	conifer plantation and improved agricultural grassland; gliding, swirling	NM
BZ009	VP2	10/04/2025	19:08	Buzzard	1	40	0	0	0	40	improved agricultural grassland; soaring, circling, off site to southwest	NM
K.001	VP2	10/04/2025	19:57	Kestrel	1	120	30	40	50	0	bogs; hunting, hovering	NM
SN016	VP2	10/04/2025	19:58	Snipe	1	30	0	0	30	0	bogs and semi-natural grassland; flying, calling	NM

SN017	VP2	10/04/2025	20:18	Snipe	1	20	0	0	20	0	bogs and conifer plantation; flying, calling	NM
BZ010	VP2	10/04/2025	20:19	Buzzard	1	110	0	0	0	110	conifer plantation, scrub/transitional woodland and bogs; soaring, circling	NM
SN018	VP2	10/04/2025	20:40	Snipe	5	2880	0	180	2150	550	bogs and semi-natural grassland; drumming, swooping, scattered, separate territories. over vp area at dusk, numbers rough. continuing until end of survey (and persisting afterwards)	NM
SN019	VP2	10/04/2025	20:57	Snipe	2	40	10	10	20	0	bogs and semi-natural grassland; calling, swooping	NM
SN020	VP2	10/04/2025	21:06	Snipe	1	20	0	20	0	0	bogs and semi-natural grassland; flying, alarming	NM
SN021	VP2	10/04/2025	21:11	Snipe	2	25	10	15	0	0	bogs; flying, calling, swooping, appeared to be chasing	NM
SN022	VP2	10/04/2025	21:21	Snipe	1	15	0	0	15	0	bogs and semi-natural grassland; flying, calling	NM
MP004	VP1	11/04/2025	15:10	Meadow Pipit	11	0	0	0	0	0	bogs and semi-natural grassland; flitting, calling, displaying, perched, active in vp area throughout. numbers rough, max flock - 11	NM
LB005	VP1	11/04/2025	15:27	Lesser Black-backed Gull	2	80	0	0	30	50	improved agricultural grassland; travelling, off site	NM
SN023	VP1	11/04/2025	15:53	Snipe	1	15	0	0	15	0	bogs; flying, calling	NM
SN024	VP1	11/04/2025	16:09	Snipe	1	30	0	0	30	0	bogs, conifer plantation and semi-natural grassland; flying, calling	NM
BZ011	VP1	11/04/2025	16:22	Buzzard	1	430	0	0	70	360	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, off site to south	NM
SN025	VP1	11/04/2025	17:09	Snipe	1	25	0	0	25	0	conifer plantation, bogs and semi-natural grassland; flying, calling	NM
SN026	VP1	11/04/2025	17:29	Snipe	2	20	20	0	0	0	bogs and semi-natural grassland; chasing, fluttering, possibly territorial	NM
H.001	VP1	11/04/2025	18:37	Grey Heron	1	65	0	30	35	0	mixed conifer woodland, improved agricultural grassland and scrub; travelling	NM
BZ012	VP1	11/04/2025	19:09	Buzzard	1	250	0	20	60	170	conifer plantation, scrub and bogs; soaring, circling, descending into woodland	NM
SN027	VP1	11/04/2025	19:27	Snipe	2	15	0	15	0	0	bogs and highly modified/non-native woodland; flying, calling	NM
LB006	VP1	11/04/2025	19:35	Lesser Black-backed Gull	3	75	0	0	15	60	improved agricultural grassland, conifer plantation and bogs; travelling, swooping, calling, traversing across site	NM
SN028	VP1	11/04/2025	20:19	Snipe	7	0	0	0	0	0	bogs; chirping, flurry of calls in evening, numbers rough	NM
SN029	VP1	11/04/2025	20:26	Snipe	1	20	0	0	20	0	bogs and conifer plantation; flying, calling	NM

SN030	VP1	11/04/2025	20:41	Snipe	4	2460	0	300	760	1400	bogs; drumming, swooping, alarming, overhead at dusk, vp area. on and off from 20:41 onwards. numbers rough	NM
SN031	VP1	11/04/2025	20:56	Snipe	1	10	0	0	10	0	bogs; flying, calling	NM
SN032	VP4	08/05/2025	05:15	Snipe	1	250	0	125	125	0	bogs and scrub/transitional woodland; drumming, exact location was rough due to twilight	NM
LB007	VP4	08/05/2025	05:34	Lesser Black-backed Gull	3	60	0	0	60	0	improved agricultural grassland and conifer plantation; travelling	NM
SN033	VP4	08/05/2025	05:46	Snipe	2	900	0	500	400	0	scrub and semi-natural grassland; drumming, swooping, chasing	NM
MP005	VP4	08/05/2025	06:00	Meadow Pipit	4	0	0	0	0	0	improved agricultural grassland and conifer plantation; flying, calling, displaying, occasional flights across vp throughout. numbers rough, max flock - 4	NM
LB008	VP4	08/05/2025	06:02	Lesser Black-backed Gull	1	50	0	25	25	0	conifer plantation, scrub and improved agricultural grassland; travelling	NM
BZ013	VP4	08/05/2025	06:19	Buzzard	2	100	0	0	40	60	improved agricultural grassland; soaring, circling, pair, off site	NM
BH001	VP4	08/05/2025	06:23	Black-headed Gull	3	50	0	0	50	0	highly modified/non-native woodland and improved agricultural grassland; travelling	NM
BZ014	VP4	08/05/2025	06:27	Buzzard	1	25	0	25	0	0	scrub/transitional woodland and conifer plantation; travelling, dropping into forestry	NM
SN034	VP4	08/05/2025	07:16	Snipe	2	30	0	10	20	0	improved agricultural grassland and highly modified/non-native woodland; flying, calling	NM
BZ015	VP4	08/05/2025	08:31	Buzzard	2	140	0	30	110	0	conifer plantation; soaring, calling, circling, pair, dropping into forestry	NM
LB009	VP4	08/05/2025	09:36	Lesser Black-backed Gull	8	70	0	15	55	0	improved agricultural grassland; travelling, swooping	NM
LB010	VP4	08/05/2025	09:56	Lesser Black-backed Gull	6	90	0	30	60	0	improved agricultural grassland and conifer plantation; travelling, soaring	NM
SN035	VP4	08/05/2025	09:58	Snipe	1	30	0	0	30	0	improved agricultural grassland; flying	NM
BZ016	VP4	08/05/2025	10:16	Buzzard	1	90	0	0	70	20	improved agricultural grassland; soaring, circling	NM
SN036	VP4	08/05/2025	10:31	Snipe	1	25	0	25	0	0	highly modified/non-native woodland and improved agricultural grassland; flying, dropping	NM
SH001	VP4	08/05/2025	10:47	Sparrowhawk	1	30	25	5	0	0	improved agricultural grassland and scrub/transitional woodland; travelling, vanishing into scrubby woodland	NM
BZ017	VP4	08/05/2025	11:02	Buzzard	1	20	0	0	20	0	improved agricultural grassland; soaring	NM
SN037	VP3	09/05/2025	04:48	Snipe	1	0	0	0	0	0	bogs; chirping, numbers rough	NM
SN038	VP3	09/05/2025	04:58	Snipe	5	4740	50	700	3800	190	bogs; drumming, swooping, chasing, persistent drumming over moorland in dawn and early	NM

											morning, not all at once but consistently throughout the morning. scattered, separate territories, chasing and interacting at times. numbers rough	
SN039	VP3	09/05/2025	05:16	Snipe	2	0	0	0	0	0	bogs; chirping, numbers rough	NM
SN040	VP3	09/05/2025	05:18	Snipe	2	0	0	0	0	0	bogs; chirping, numbers rough	NM
SN041	VP3	09/05/2025	05:31	Snipe	1	20	5	15	0	0	bogs; flying, alarming, dropping into moorland	NM
SN042	VP3	09/05/2025	05:31	Snipe	2	0	0	0	0	0	bogs; chirping, numbers rough	NM
LB011	VP3	09/05/2025	05:38	Lesser Black-backed Gull	3	65	0	5	60	0	bogs and conifer plantation; travelling, calling, swooping	NM
ML001	VP3	09/05/2025	05:57	Merlin	1	55	40	15	0	0	bogs; hunting, chasing, female. chasing and flushing passerines, mostly meadow pipit	NM
MP006	VP3	09/05/2025	05:58	Meadow Pipit	40	80	30	30	20	0	bogs; flushed, calling, escaping, alarming, flushed from moorland by merlin. actively being chased, chaotic flights over moorland	NM
SN043	VP3	09/05/2025	06:00	Snipe	2	35	0	25	10	0	bogs and conifer plantation; flying, alarming	NM
MP007	VP3	09/05/2025	06:00	Meadow Pipit	10	0	0	0	0	0	bogs and scrub; flying, calling, displaying, flitting, perched	NM
SN044	VP3	09/05/2025	06:02	Snipe	2	30	0	15	15	0	bogs; travelling	NM
ML002	VP3	09/05/2025	06:17	Merlin	1	0	0	0	0	0	bogs and scrub; perched, preening, female (same individual), perched on fence post	NM
LB012	VP3	09/05/2025	06:21	Lesser Black-backed Gull	2	45	0	0	45	0	bogs and conifer plantation; travelling	NM
ML003	VP3	09/05/2025	06:28	Merlin	1	30	25	5	0	0	bogs and conifer plantation; departing, travelling, female (same individual), moving downhill	NM
SN045	VP3	09/05/2025	06:47	Snipe	6	0	0	0	0	0	bogs; chirping, flitting, numbers rough, observed courting within moorland	NM
SI001	VP3	09/05/2025	07:03	Swift	5	45	0	0	45	0	bogs; foraging, swirling, moving south, high across hilltop moorland	NM
SN046	VP3	09/05/2025	07:03	Snipe	1	45	15	30	0	0	bogs and conifer plantation; flying, calling, swooping	NM
SN047	VP3	09/05/2025	07:11	Snipe	3	0	0	0	0	0	bogs; chirping	NM
SN048	VP3	09/05/2025	07:30	Snipe	4	0	0	0	0	0	bogs; chirping, courting, flurry of calls within moorland. numbers rough, observed briefly with moorland	NM
SI002	VP3	09/05/2025	07:45	Swift	2	25	0	10	15	0	bogs; flying, swooping	NM
K.002	VP3	09/05/2025	08:12	Kestrel	1	65	5	55	5	0	bogs and semi-natural grassland; hunting, hovering, dropping abruptly	NM
LB013	VP3	09/05/2025	08:12	Lesser Black-backed Gull	1	35	0	10	25	0	conifer plantation and bogs; travelling, lost behind forestry	NM

BZ018	VP3	09/05/2025	09:04	Buzzard	1	340	0	0	280	60	conifer plantation, bogs and scrub; soaring, travelling, traversing north of site	NM
SN049	VP3	09/05/2025	09:34	Snipe	2	0	0	0	0	0	bogs; chirping	NM
SI003	VP3	09/05/2025	09:59	Swift	14	160	0	0	120	40	bogs and highly modified/non-native woodland; swirling, foraging, moving north, lost over br6 area	NM
LB014	VP3	09/05/2025	10:08	Lesser Black-backed Gull	5	100	0	0	80	20	improved agricultural grassland and highly modified/non-native woodland; travelling, swooping, far to north, 3 - 4km off site	NM
BZ019	VP3	09/05/2025	10:23	Buzzard	1	70	0	0	60	10	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; soaring, gliding	NM
BZ020	VP3	09/05/2025	10:56	Buzzard	1	25	0	0	0	25	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, off site	NM
MP008	VP1	26/05/2025	10:40	Meadow Pipit	15	0	0	0	0	0	eroding blanket bog; provisioning, atleast 15 around vp and on way to/from car	RV
BZ021	VP2	28/05/2025	09:55	Buzzard	1	45	0	45	0	0	cutover bog and conifer plantation; flying, flew low along edge of plantation	RV
HG001	VP2	28/05/2025	10:27	Herring Gull	1	75	0	75	0	0	cutover bog, conifer plantation and improved agricultural grassland; flying, adult flying north	RV
MP009	VP2	28/05/2025	10:40	Meadow Pipit	19	0	0	0	0	0	eroding blanket bog; provisioning, adults around vp and walk to car	RV
SH002	VP3	19/06/2025	06:41	Sparrowhawk	1	13	13	0	0	0	cutover bog and conifer plantation; flying, male, low over bog and plantation	RV
SH003	VP3	19/06/2025	07:42	Sparrowhawk	1	29	11	18	0	0	conifer plantation; circling/flying, male again, circled then into plantation	RV
LB015	VP3	19/06/2025	09:22	Lesser Black-backed Gull	3	85	0	85	0	0	improved agricultural grassland; circling, 3 adults circling	RV
BZ022	VP3	19/06/2025	09:25	Buzzard	1	370	0	0	370	0	improved agricultural grassland; circling, circling and hanging in wind	RV
BZ023	VP3	19/06/2025	10:12	Buzzard	1	410	0	0	410	0	improved agricultural grassland; circling, circling and hanging in wind	RV
MP010	VP3	19/06/2025	12:00	Meadow Pipit	15	0	0	0	0	0	cutover bog; provisioning/displaying, min 15, some displaying	RV
SI004	VP2	20/06/2025	15:30	Swift	3	0	0	0	0	0	cutover bog; feeding, 3 hunting along hill most of survey	RV
BZ024	VP2	20/06/2025	15:39	Buzzard	1	405	0	0	405	0	improved agricultural grassland; circling, circling and drifting north	RV
BZ025	VP2	20/06/2025	17:53	Buzzard	1	125	0	0	125	0	improved agricultural grassland and conifer plantation; flying, flying and briefly circling	RV

BZ026	VP2	20/06/2025	18:19	Buzzard	1	260	0	0	260	0	improved agricultural grassland and conifer plantation; hunting, hanging in wind, drifting east	RV
SH004	VP2	20/06/2025	18:24	Sparrowhawk	1	9	9	0	0	0	cutover bog; flying, male flew below vp	RV
BH002	VP2	20/06/2025	20:01	Black-headed Gull	3	240	0	0	240	0	improved agricultural grassland and conifer plantation; flying, 3 ad flew se off site, mostly off map	RV
HG002	VP2	20/06/2025	20:27	Herring Gull	1	215	35	180	0	0	improved agricultural grassland and conifer plantation; flying, 1 ad across site	RV
MP011	VP2	20/06/2025	22:00	Meadow Pipit	25	0	0	0	0	0	cutover bog; feeding, min 25, mostly roving about in small flocks.	RV
SH005	VP1	25/06/2025	07:04	Sparrowhawk	1	12	12	0	0	0	cutover bog; flying, male low past vp	RV
BZ027	VP1	25/06/2025	07:51	Buzzard	1	135		45	90	0	conifer plantation and improved agricultural grassland; flying, slowly circled then flew west	RV
HH002	VP1	25/06/2025	09:35	Hen Harrier	1	46	46	0	0	0	cutover bog and conifer plantation; hunting, male flew past vp, low and continued east	RV
BZ028	VP1	25/06/2025	10:54	Buzzard	1	65	0	65	0	0	improved agricultural grassland and conifer plantation; circling, flew from plantation, slowly circled and back to original spot	RV
MP012	VP1	25/06/2025	11:40	Meadow Pipit	20	0	0	0	0	0	cutover bog; feeding, min 20 around vp	RV
SH006	VP4	28/06/2025	05:46	Sparrowhawk	1	14	0	14	0	0	improved agricultural grassland; carrying prey, male carrying prey past vp	RV
BZ029	VP4	28/06/2025	06:21	Buzzard	1	115	0	0	115	0	improved agricultural grassland and mixed broadleaved woodland; circling, circling and calling	RV
BZ030	VP4	28/06/2025	06:48	Buzzard	1	480	0	0	480	0	conifer plantation, improved agricultural grassland and cutover bog; hunting, slowly circling and hanging in wind	RV
SH007	VP4	28/06/2025	06:59	Sparrowhawk	1	9	9	0	0	0	improved agricultural grassland; flying, male again, low past vp	RV
BZ031	VP4	28/06/2025	08:04	Buzzard	1	255	0	0	255	0	conifer plantation and improved agricultural grassland; circling, circling and calling high over vp	RV
CA001	VP4	28/06/2025	11:04	Cormorant	1	42	0	0	42	0	improved agricultural grassland; flying, flying west	RV
BZ032	VP4	28/06/2025	11:19	Buzzard	2	85	0	85	0	0	mixed broadleaved woodland and improved agricultural grassland; circling, pair circling and calling	RV
BZ033	VP4	28/06/2025	11:24	Buzzard	1	240	0	0	240	0	mixed broadleaved woodland and improved agricultural grassland; circling, circling and drifting west	RV
BZ034	VP4	28/06/2025	11:51	Buzzard	1	285	0	0	285	0	improved agricultural grassland and scrub; hunting, circling and hanging in wind, drifting se	RV

MP013	VP4	28/06/2025	12:20	Meadow Pipit	6	0	0	0	0	0	improved agricultural grassland; feeding, small number around vp	RV
K.003	VP1	15/07/2025	10:46	Kestrel	1	21	21	0	0	0	conifer plantation and bogs; hunting, one of two hunting nearby	CM
K.004	VP1	15/07/2025	10:46	Kestrel	1	7	7	0	0	0	bogs and conifer plantation; hunting, one of two hunting nearby	CM
GB002	VP1	15/07/2025	11:26	Great Black-backed Gull	1	84	0	0	84	0	conifer plantation, bogs and improved agricultural grassland; flying	CM
HH003	VP1	15/07/2025	12:02	Hen Harrier	1	129	0	40	89	0	conifer plantation and improved agricultural grassland; travelling, male, observed travelling similar direction yesterday.	CM
K.005	VP1	15/07/2025	12:56	Kestrel	1	41	10	31	0	0	conifer plantation; hunting, dropped into forestry break	CM
MP014	VP1	15/07/2025	17:00	Meadow Pipit	17	-	-	-	-	-	bogs; flitting, total for six hour effort.	CM
BZ035	VP3	22/07/2025	15:31	Buzzard	1	640	0	0	640	0	eroding blanket bog; hunting, circling and hanging in wind over hill	RV
BZ036	VP3	22/07/2025	15:34	Buzzard	1	285	0	0	285	0	eroding blanket bog; hunting, separate from #1, but also circling and hanging in wind.	RV
SN050	VP3	22/07/2025	15:56	Snipe	1	0	0	0	0	0	eroding blanket bog; displaying, heard chipping across road, barely audible. after survey, heard clearly, possibly 2 birds present.	RV
BZ037	VP3	22/07/2025	16:19	Buzzard	1	85	0	0	0	0	improved agricultural grassland; flying, briefly hanging in wind, circled and continued.	RV
K.006	VP3	22/07/2025	18:21	Kestrel	1	315	20	295	0	0	eroding blanket bog; hunting, juvenile hunting over bog, mobbed by hirundines	RV
K.007	VP3	22/07/2025	18:53	Kestrel	1	130	0	130	0	0	eroding blanket bog; hunting, juv again, hunting behind vp	RV
MP015	VP3	22/07/2025	21:45	Meadow Pipit	19	0	0	0	0	0	eroding blanket bog; feeding, feeding around vp, 19 in air when kestrel flew by	RV
K.008	VP2	23/07/2025	16:12	Kestrel	1	210	20	190	0	0	improved agricultural grassland; hunting, juvenile hunting over hill, then low below vp	RV
HH004	VP2	23/07/2025	17:47	Hen Harrier	1	185	185	0	0	0	improved agricultural grassland and eroding blanket bog; hunting, adult male, hunting low around turbines	RV
BZ038	VP2	23/07/2025	18:06	Buzzard	1	31	0	31	0	0	conifer plantation and improved agricultural grassland; flying, 1 flew west across site	RV
BZ040	VP2	23/07/2025	18:41	Buzzard	1	85	0	40	45	0	conifer plantation; circling/flying, probably same as above, circled and flew across site.	RV
BZ041	VP2	23/07/2025	18:58	Buzzard	1	265	0	0	265	0	improved agricultural grassland and eroding blanket bog; circling/hunting, circling over hill behind turbines and hunting/hanging in wind	RV

SH008	VP2	23/07/2025	20:51	Sparrowhawk	1	18	3	15	0	0	conifer plantation; mobbing/flying, tussled briefly with raven, then down hill and into plantation	RV
MP016	VP2	23/07/2025	21:45	Meadow Pipit	23	0	0	0	0	0	improved agricultural grassland; feeding, min 23 feeding around vp and fields below, mobile.	RV
BZ042	VP4	27/07/2025	07:26	Buzzard	1	110	0	0	110	0	conifer plantation and improved agricultural grassland; hunting, hunting and hanging in wind	RV
BZ043	VP4	27/07/2025	08:04	Buzzard	1	45	0	45	0	0	improved agricultural grassland and mixed broadleaved woodland; flying/circling, flew in from s, circled and lost into trees	RV
BZ044	VP4	27/07/2025	08:36	Buzzard	1	55	0	25	30	0	mixed broadleaved woodland and improved agricultural grassland; flying, flew from same area as above, gained height and flew quickly east	RV
BZ045	VP4	27/07/2025	10:13	Buzzard	1	90	0	65	25	0	conifer plantation and eroding blanket bog; hunting, slowly flying over area, watching below drifting sw	RV
K.009	VP4	27/07/2025	12:19	Kestrel	1	125	0	125	0	0	improved agricultural grassland and scrub; hunting, male, hunting behind vp, dropped to ground and didn't fly up again.	RV
K.010	VP4	27/07/2025	12:29	Kestrel	1	35	0	35	0	0	improved agricultural grassland; flying, male again, flew from behind house and away to nw	RV
MP017	VP4	27/07/2025	13:00	Meadow Pipit	3	0	0	0	0	0	improved agricultural grassland; feeding, just 3 seen or heard during vp, mobbed k when it was hunting by vp	RV
HH005	VP1	08/08/2025	15:18	Hen Harrier	1	18	18	0	0	0	eroding blanket bog and conifer plantation; hunting, moulting male, short tail and patchy wings, quickly low over ground in strong wind.	RV
WE001	VP1	08/08/2025	19:53	White-tailed Eagle	1	635	0	635	0	0	eroding blanket bog and conifer plantation; soaring, imm, sat and wing tagged, green left wing, maybe blue right wing, only digit 6 seen.hanging in wind along hillside, dove steeply and into plantation out of view.	RV
WE002	VP1	08/08/2025	20:13	White-tailed Eagle	1	185	0	65	120	0	conifer plantation and eroding blanket bog; soaring, slowly gliding and hanging in wind, mobbed by 30+ m, likely roosted on hill between plantations.	RV
MP018	VP1	08/08/2025	21:15	Meadow Pipit	15	0	0	0	0	0	eroding blanket bog; feeding, minimum of 15 feeding around vp and on slope below.	RV
PE002	VP2	09/08/2025	10:11	Peregrine Falcon	1	135	0	0	135	0	improved agricultural grassland and eroding blanket bog; soaring, ad male, hanging in wind almost kestrel like, slowly circled and ne behind hill.	RV
K.011	VP2	09/08/2025	11:13	Kestrel	1	55	15	40	0	0	improved agricultural grassland and eroding blanket bog; hunting, male, hunting along hill, but	RV

											strong wind hampered it and it quickly moved north around hill	
MP019	VP2	09/08/2025	12:45	Meadow Pipit	8	0	0	0	0	0	improved agricultural grassland and eroding blanket bog; feeding, min of 8 feeding around vp, ranging widely.	RV
MP020	VP3	10/08/2025	21:00	Meadow Pipit	6	0	0	0	0	0	eroding blanket bog; feeding, along road, flushed by passing cars, otherwise unobtrusive and rarely seen or heard.	RV
BZ046	VP4	11/08/2025	14:38	Buzzard	1	50	0	50	0	0	improved agricultural grassland and scrub; flying/circling, ad. arrived from east, landing in scrub behind cottage, calling	RV
BZ047	VP4	11/08/2025	14:58	Buzzard	1	42	0	42	0	0	improved agricultural grassland and scrub; provisioning, different ad, carrying food and landed in similar area to #1, lots of calling/ begging heard.	RV
BZ048	VP4	11/08/2025	15:04	Buzzard	1	35	0	10	25	0	scrub, improved agricultural grassland and mixed broadleaved woodland; circling, flew from behind cottage, circled and west.	RV
BZ049	VP4	11/08/2025	15:21	Buzzard	1	45	0	20	25	0	mixed broadleaved woodland and conifer plantation; circling, circled north over road and houses, juvenile.	RV
BZ050	VP4	11/08/2025	16:12	Buzzard	1	25	0	25	0	0	improved agricultural grassland and mixed broadleaved woodland; flying, ad. flying east over fields.	RV
BZ051	VP4	11/08/2025	17:23	Buzzard	1	155	0	0	155	0	improved agricultural grassland, scrub and mixed broadleaved/conifer woodland; circling, ad, circled from behind cottage and gained height before drifting south.	RV
BZ052	VP4	11/08/2025	18:34	Buzzard	1	125	0	0	125	0	conifer plantation; circling, circling, looking into light, looked fresh so probably a juv.	RV
BZ053	VP4	11/08/2025	18:49	Buzzard	1	75	0	0	75	0	scrub and improved agricultural grassland; circling, circled up from behind cottage and away to east	RV
BZ054	VP4	11/08/2025	19:31	Buzzard	1	20	0	20	0	0	conifer plantation, improved agricultural grassland and scrub; flying, ad flying south into scrub behind cottage	RV
BZ055	VP4	11/08/2025	20:06	Buzzard	1	34	0	34	0	0	scrub and improved agricultural grassland; circling/flying, adult circled from behind cottage and away to east.	RV
MP021	VP4	11/08/2025	21:00	Meadow Pipit	1	0	0	0	0	0	improved agricultural grassland and scrub; feeding/flying, just 1 heard and seen, called in flight over vp several times, moving between fields.	RV

HH006	VP1	08/09/2025	15:53	Hen Harrier	1	66	30	15	21	0	bogs and conifer plantation; flying, adult male.	CM
K.012	VP1	08/09/2025	16:15	Kestrel	1	110	10	50	50	0	bogs; hunting, female, dived onto hillside out of view.	CM
K.013	VP1	08/09/2025	16:20	Kestrel	1	288	40	30	218	0	bogs and conifer plantation; hunting, female, perched then dropped into cover.	CM
K.014	VP1	08/09/2025	17:12	Kestrel	1	267	5	5	207	50	bogs and conifer plantation; hunting, female	CM
K.015	VP1	08/09/2025	17:35	Kestrel	1	141	0	50	91	0	bogs and conifer plantation; hunting, female	CM
MP022	VP1	08/09/2025	17:45	Meadow Pipit	17	-	-	-	-	-	bogs; flitting, total for three hour survey.	CM
SN051	VP1	09/09/2025	08:24	Snipe	6	46	0	0	46	0	bogs and conifer plantation; flying, flocking together in low cloud	CM
MP023	VP1	09/09/2025	09:05	Meadow Pipit	4	-	-	-	-	-	bogs; flitting, total for three hour survey.	CM
MP024	VP2	16/09/2025	16:05	Meadow Pipit	26	-	-	-	-	-	bogs; flitting, total for three hour effort.	CM
BZ056	VP2	17/09/2025	08:27	Buzzard	1	44	0	34	10	0	bogs; flying, adult	CM
MP025	VP2	17/09/2025	09:08	Meadow Pipit	17	-	-	-	-	-	bogs; flitting, total for three hour effort.	CM
MP026	VP4	25/09/2025	09:45	Meadow Pipit	3	-	-	-	-	-	conifer plantation; flying	AOD
SH009	VP4	25/09/2025	13:39	Sparrowhawk	1	10	0	10	0	0	conifer plantation; flying	AOD
K.016	VP4	25/09/2025	13:47	Kestrel	1	7	7	0	0	0	conifer plantation and wet grassland; flying, male	AOD
HH007	VP3	26/09/2025	07:14	Hen Harrier	1	20		2	18		conifer plantation; flying, adult male	KB
HH008	VP3	26/09/2025	12:25	Hen Harrier	1	12	12	0	0	0	bogs; flying, adult female	KB
SN052	VP3	26/09/2025	12:25	Snipe	1	5	2	3	0	0	bogs; flushed by hh	KB
MP027	VP3	26/09/2025	12:44	Meadow Pipit	4	-	-	-	-	-	bogs; flying	KB
BZ057	VP4	29/09/2025	07:36	Buzzard	3	-	-	-	-	-	conifer plantation; calling, calling unseen around the area	AOD
MA001	VP4	29/09/2025	07:37	Mallard	3	14	0	14	0	0	upland blanket bog and wet grassland; flying over, dropped into river	AOD

Table 1.2 Breeding Raptor Surveys

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
HH001	BR1	16/04/2025	13:57	Hen Harrier	2	conifer plantation, displaying, male skydancing joined by second male flew up from forestry	courtship and display; probable breeding	AOD
HH002	BR1	16/04/2025	14:10	Hen Harrier	1	conifer plantation, flying, adult male	suitable nesting habitat; possible breeder	AOD
HH003	BR1	16/04/2025	15:05	Hen Harrier	1	conifer plantation, flying, adult male	suitable nesting habitat; possible breeder	AOD
HH004	BR1	16/04/2025	15:16	Hen Harrier	1	conifer plantation, flying, adult male	suitable nesting habitat; possible breeder	AOD
HH005	BR1	16/04/2025	15:38	Hen Harrier	1	conifer plantation, flying, adult male	suitable nesting habitat; possible breeder	AOD
HH006	BR4	16/04/2025	18:04	Hen Harrier	2	conifer plantation, displaying, two males one sky dancing to west then looped back north. 2nd male flying low on site	courtship and display; probable breeding	AOD
K.001	BR12	24/04/2025	11:35	Kestrel	1	conifer plantation, flying, brief sighting, descending into forestry	suitable nesting habitat; possible breeder	CM
K.002	BR12	24/04/2025	11:40	Kestrel	1	conifer plantation and improved agricultural grassland, chasing, kestrel rose from forestry to chase corvid away	agitated behaviour; probable breeding	CM
HH007	BR1	25/04/2025	17:17	Hen Harrier	1	conifer plantation, flying, male soaring	suitable nesting habitat; possible breeder	AOD
HH008	BR1	28/04/2025	19:31	Hen Harrier	1	conifer plantation and upland blanket bog, flying, male flying low near historic nest	suitable nesting habitat; possible breeder	AOD
HH009	BR1	28/04/2025	19:54	Hen Harrier	2	conifer plantation, courtship, female up from low with male flew east male following close.dropped into mature forestry	courtship and display; probable breeding	AOD
K.003	BR7	08/05/2025	17:19	Kestrel	1	conifer plantation, flying perched, male adult	suitable nesting habitat; possible breeder	AOD
K.004	BR7	08/05/2025	17:19	Kestrel	1	conifer plantation, flying perched, male flew out from trees then perched.possible breeding area.	suitable nesting habitat; possible breeder	AOD
K.005	BR7	08/05/2025	17:55	Kestrel	1	conifer plantation, flying, male back around again	suitable nesting habitat; possible breeder	AOD
K.006	BR7	08/05/2025	17:55	Kestrel	1	conifer plantation, flying, male	suitable nesting habitat; possible breeder	AOD
K.007	BR7	08/05/2025	18:37	Kestrel	1	conifer plantation, flying perched hunting, female hunting	suitable nesting habitat; possible breeder	AOD
K.008	BR7	08/05/2025	18:45	Kestrel	1	conifer plantation, flying perched, female from same area as male perched 8mins then flew off north.likely breeding area.	suitable nesting habitat; possible breeder	AOD
HH010	BR1	20/05/2025	14:27	Hen Harrier	1	conifer plantation and upland blanket bog, soaring, adult male	suitable nesting habitat; possible breeder	AOD
BZ001	BR1	20/05/2025	14:28	Buzzard	1	conifer plantation, flying, calling mobbed by mg	suitable nesting habitat; possible breeder	AOD
BZ002	BR1	20/05/2025	18:59	Buzzard	1	conifer plantation, prey carrying	pair; probable breeding	AOD
BZ003	BR4	22/05/2025	14:00	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AOD
BZ004	BR1	23/05/2025	12:55	Buzzard	1	conifer plantation, flying	suitable nesting habitat; possible breeder	AOD
WE001	BR1	23/05/2025	14:31	White-tailed Eagle	1	conifer plantation, perched flying, immature bird perched in forestry. flew up through forestry low out of site.	suitable nesting habitat; possible breeder	AOD
SH001	BR1	27/05/2025	15:57	Sparrowhawk	1	conifer plantation, flying	suitable nesting habitat; possible breeder	AOD
SH002	BR1	27/05/2025	15:58	Sparrowhawk	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AOD

HH011	BR1	27/05/2025	16:14	Hen Harrier	1	conifer plantation, flying, male low in forestry briefly	suitable nesting habitat; possible breeder	AOD
HH012	BR1	27/05/2025	16:18	Hen Harrier	1	conifer plantation and upland blanket bog, foraging, male	suitable nesting habitat; possible breeder	AOD
HH013	BR1	27/05/2025	19:11	Hen Harrier	1	upland blanket bog and conifer plantation, flying, male	suitable nesting habitat; possible breeder	AOD
HH014	BR2	27/05/2025	21:26	Hen Harrier	1	conifer plantation and upland blanket bog, flying, male flew into tree.	suitable nesting habitat; possible breeder	AOD
HH015	BR13	30/05/2025	18:20	Hen Harrier	1	conifer plantation and upland blanket bog, flying perched, male flew low to perch	suitable nesting habitat; possible breeder	AOD
HH016	BR13	30/05/2025	18:26	Hen Harrier	1	conifer plantation, flying, ringtail bird up to west. female or immature. looked small for female.	suitable nesting habitat; possible breeder	AOD
HH017	BR13	30/05/2025	19:20	Hen Harrier	1	upland blanket bog, flying perched, adult male flying low to perch	suitable nesting habitat; possible breeder	AOD
HH018	BR13	30/05/2025	19:34	Hen Harrier	1	conifer plantation, flying soaring, male up soaring	suitable nesting habitat; possible breeder	AOD
BZ005	BR13	05/06/2025	10:09	Buzzard	1	upland blanket bog and conifer plantation, flying, mobbed by hc	suitable nesting habitat; possible breeder	AOD
BZ006	BR8	08/06/2025	13:24	Buzzard	1	conifer plantation, flying	suitable nesting habitat; possible breeder	KB
OP001	BR2	10/06/2025	09:34	Osprey	1	upland blanket bog, flying calling, adult osprey agitated calls flappy flight circling around the area. no obvious sign for agitation except several ravens present on carrion on ground nearby.flew nw.	agitated behaviour; probable breeding	AOD
SH003	BR2	10/06/2025	09:50	Sparrowhawk	1	upland blanket bog, flying, female	suitable nesting habitat; possible breeder	AOD
BZ007	BR7	10/06/2025	17:35	Buzzard	1	conifer plantation, calling	suitable nesting habitat; possible breeder	KB
K.009	BR7	10/06/2025	18:06	Kestrel	1	conifer plantation, flying - perched on antenna - flying	suitable nesting habitat; possible breeder	KB
SH004	BR7	10/06/2025	18:25	Sparrowhawk	1	conifer plantation, flying	suitable nesting habitat; possible breeder	KB
K.010	BR7	10/06/2025	18:45	Kestrel	1	conifer plantation, flying with prey	adult carrying food/faecal sac; confirmed breeding	KB
BZ008	BR10	10/06/2025	19:46	Buzzard	1	bogs, flying	suitable nesting habitat; possible breeder	KB
BZ009	BR13	13/06/2025	15:43	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AOD
BZ010	BR13	13/06/2025	16:01	Buzzard	2	conifer plantation, soaring	suitable nesting habitat; possible breeder	AOD
BZ011	BR13	13/06/2025	16:34	Buzzard	1	upland blanket bog and conifer plantation, foraging	suitable nesting habitat; possible breeder	AOD
BZ012	BR13	13/06/2025	17:15	Buzzard	1	upland blanket bog, foraging, same bird still foraging in historic hen harrier nesting area. doubtful hh nesting here.	suitable nesting habitat; possible breeder	AOD
BZ013	BR13	13/06/2025	17:37	Buzzard	2	upland blanket bog and wet grassland, soaring	suitable nesting habitat; possible breeder	AOD
SH005	BR13	13/06/2025	17:48	Sparrowhawk	1	conifer plantation, prey carrying, carrying prey	adult carrying food/faecal sac; confirmed breeding	AOD
K.011	BR4	16/06/2025	08:53	Kestrel	1	bogs, semi-natural grassland and highly modified/non-native woodland, hunting, hovering, male. present for ~20mins, departing and swooping down towards vp2 area	suitable nesting habitat; possible breeder	NM
K.012	BR2	23/06/2025	06:39	Kestrel	1	bogs and improved agricultural grassland, hunting, hovering, dropping abruptly, dropping behind terrain	suitable nesting habitat; possible breeder	NM

K.013	BR2	23/06/2025	07:02	Kestrel	1	bogs and improved agricultural grassland, hunting, travelling, departing low downhill	suitable nesting habitat; possible breeder	NM
BZ014	BR2	23/06/2025	08:21	Buzzard	1	conifer plantation, bogs and improved agricultural grassland, soaring, calling, travelling, moving south across site	suitable nesting habitat; possible breeder	NM
BZ015	BR2	23/06/2025	10:03	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, travelling low, calling	suitable nesting habitat; possible breeder	NM
BZ016	BR2	23/06/2025	11:42	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland, soaring, circling, off site	pair; probable breeding	NM
SH006	BR8	30/06/2025	11:07	Sparrowhawk	1	conifer plantation, flying	suitable nesting habitat; possible breeder	AOD
HH019	BR2	01/07/2025	09:01	Hen Harrier	1	wet grassland, conifer plantation and upland blanket bog, foraging soaring, male foraging failed attempt on mp flock then took up soaring high	suitable nesting habitat; possible breeder	AOD
HH020	BR10	08/07/2025	11:53	Hen Harrier	1	conifer plantation, wet grassland and upland blanket bog, flying foraging, adult male flying over then foraging uphill	suitable nesting habitat; possible breeder	AOD
BZ017	BR10	09/07/2025	19:26	Buzzard	1	conifer plantation, flying	suitable nesting habitat; possible breeder	KB
K.014	BR10	14/07/2025	17:05	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	CM
K.015	BR10	14/07/2025	17:27	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	CM
BZ018	BR10	14/07/2025	17:56	Buzzard	1	conifer plantation, flying	suitable nesting habitat; possible breeder	CM
K.016	BR10	14/07/2025	18:03	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	CM
HH021	BR10	14/07/2025	18:17	Hen Harrier	1	conifer plantation, carrying prey, adult male appeared to be carrying small prey item low over forestry.	adult carrying food/faecal sac; confirmed breeding	CM
BZ019	BR10	14/07/2025	18:29	Buzzard	1	#N/A	suitable nesting habitat; possible breeder	CM
BZ020	BR10	14/07/2025	19:10	Buzzard	1	conifer plantation and improved agricultural grassland, flying	suitable nesting habitat; possible breeder	CM
BZ021	BR10	14/07/2025	19:12	Buzzard	1	conifer plantation, soaring, descended rapidly	suitable nesting habitat; possible breeder	CM
K.017	BR10	14/07/2025	19:18	Kestrel	2	conifer plantation, flying, hunting kestrel joined by a second, following each other, descended into forestry	pair; probable breeding	CM
K.018	BR10	14/07/2025	19:44	Kestrel	1	bogs and conifer plantation, hunting, female	suitable nesting habitat; possible breeder	CM
SH007	BR7	15/07/2025	11:48	Sparrowhawk	2	conifer plantation, chick begging calls	nest with young; confirmed breeding	KB
BZ022	BR7	15/07/2025	13:55	Buzzard	1	conifer plantation, flying	suitable nesting habitat; possible breeder	KB
SH008	BR7	18/07/2025	09:09	Sparrowhawk	1	conifer plantation, mobbing, male, chasing two hooded crows off their perches repeatedly, other sparrowhawk calls coming from nearby forestry.	agitated behaviour; probable breeding	CM
SH009	BR7	18/07/2025	09:15	Sparrowhawk	2	conifer plantation, calling, sparrowhawk calling for prolonged periods throughout three hour survey. male observed chasing corvids nearby.	suitable nesting habitat; possible breeder	CM
SH010	BR9	18/07/2025	12:29	Sparrowhawk	1	conifer plantation, calling, heard calling periodically during survey from forestry south of vantage point, unseen.	suitable nesting habitat; possible breeder	CM
BZ023	BR1	22/07/2025	06:40	Buzzard	1	scrub, perched	suitable nesting habitat; possible breeder	NS
BZ024	BR1	22/07/2025	06:59	Buzzard	1	scrub and semi-natural grassland, hunting	suitable nesting habitat; possible breeder	NS

K.019	BR6	22/07/2025	09:15	Kestrel	1	bogs and scrub, hunting	suitable nesting habitat; possible breeder	NS
K.020	BR6	22/07/2025	09:40	Kestrel	1	bogs and scrub, hunting	suitable nesting habitat; possible breeder	NS
K.021	BR6	22/07/2025	10:25	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	NS
K.022	BR6	22/07/2025	10:27	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.023	BR6	22/07/2025	10:30	Kestrel	1	bogs and scrub, hunting	suitable nesting habitat; possible breeder	NS
K.024	BR6	22/07/2025	10:34	Kestrel	1	bogs and scrub, hunting	suitable nesting habitat; possible breeder	NS
BZ025	BR6	22/07/2025	10:40	Buzzard	1	bogs, conifer plantation and scrub, hunting	suitable nesting habitat; possible breeder	NS
K.025	BR6	22/07/2025	11:15	Kestrel	2	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	NS
K.026	BR6	22/07/2025	11:23	Kestrel	2	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.027	BR6	22/07/2025	11:29	Kestrel	2	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	NS
K.028	BR6	22/07/2025	11:38	Kestrel	2	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.029	BR6	22/07/2025	11:40	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.030	BR4	23/07/2025	06:08	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.031	BR4	23/07/2025	06:14	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.032	BR4	23/07/2025	06:29	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.033	BR4	23/07/2025	06:48	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.034	BR4	23/07/2025	07:15	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.035	BR4	23/07/2025	07:20	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.036	BR4	23/07/2025	07:33	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.037	BR4	23/07/2025	07:34	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.038	BR4	23/07/2025	07:45	Kestrel	1	bogs, hunt	suitable nesting habitat; possible breeder	NS
K.039	BR4	23/07/2025	08:03	Kestrel	1	bogs, hunr	suitable nesting habitat; possible breeder	NS
K.040	BR4	23/07/2025	08:13	Kestrel	1	bogs, perched, same male, oerched in fencing post	suitable nesting habitat; possible breeder	NS
K.041	BR4	23/07/2025	08:22	Kestrel	1	bogs, flying, moved to diff post	suitable nesting habitat; possible breeder	NS
K.042	BR3	23/07/2025	10:23	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.043	BR3	23/07/2025	10:49	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	NS
K.044	BR3	23/07/2025	11:16	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	NS
HH022	BR13	25/07/2025	10:12	Hen Harrier	1	bogs and conifer plantation, flying, ringtail, previously had male carrying prey this direction approx 3km away at br10	suitable nesting habitat; possible breeder	CM
SH011	BR13	25/07/2025	10:30	Sparrowhawk	1	improved agricultural grassland and scrub/transitional woodland, hunting, attempted to take pigeon in flight, likely a female.	suitable nesting habitat; possible breeder	CM
PE001	BR13	25/07/2025	11:18	Peregrine Falcon	1	bogs, improved agricultural grassland and conifer plantation, hunting, lost during rapid dive	suitable nesting habitat; possible breeder	CM

HH023	BR13	28/07/2025	08:14	Hen Harrier	1	bogs and conifer plantation, hunting, adult male, no breeding activity observed, ringtail observed three days before 1.6km away.	suitable nesting habitat; possible breeder	CM
BZ026	BR10	07/08/2025	09:24	Buzzard	1	conifer plantation and improved agricultural grassland, flying, flew from perch.	suitable nesting habitat; possible breeder	CM
BZ027	BR10	07/08/2025	10:59	Buzzard	1	conifer plantation, improved agricultural grassland and bogs, soaring, calling, adult, flying at height.	suitable nesting habitat; possible breeder	CM
K.045	BR10	07/08/2025	11:18	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	CM
K.046	BR7	08/08/2025	11:35	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	CM
WE002	BR4	12/08/2025	08:16	White-tailed Eagle	1	bogs and lakes and ponds, resting, flying, sub-adult, first observed perched on hilltop for 45 minutes, potentially roosted here as roosting observed nearby recently. flew to lough sandy, settled with several corvids possibly on carrion.	summering; non-breeding	CM
SH012	BR11	12/08/2025	12:51	Sparrowhawk	1	bogs, hunting, female, flushing pipits, landed on fence but observed surveyor and flew away.	suitable nesting habitat; possible breeder	CM
HH024	BR3	19/08/2025	09:04	Hen Harrier	1	bogs and improved agricultural grassland, hunting, female.	suitable nesting habitat; possible breeder	CM
HH025	BR3	19/08/2025	09:12	Hen Harrier	1	bogs and improved agricultural grassland, hunting, female, second observation.	suitable nesting habitat; possible breeder	CM
BZ028	BR2	19/08/2025	12:05	Buzzard	1	conifer plantation and bogs, soaring, distant, rising on thermal. second buzzard nearby.	suitable nesting habitat; possible breeder	CM
BZ029	BR2	19/08/2025	12:07	Buzzard	1	conifer plantation and bogs, hunting, second buzzard soaring nearby	suitable nesting habitat; possible breeder	CM
BZ030	BR8	22/08/2025	06:39	Buzzard	1	recently-felled woodland and conifer plantation, perching, flying, moving between perches, until out of sight	suitable nesting habitat; possible breeder	CM
SH013	BR8	22/08/2025	08:02	Sparrowhawk	1	mixed broadleaved/conifer woodland, mobbed, flying, chased by flock of passerine	suitable nesting habitat; possible breeder	CM
SH014	BR9	22/08/2025	11:06	Sparrowhawk	2	improved agricultural grassland and mixed broadleaved/conifer woodland, flying, perching, female with juvenile, potentially third individual inside hedgerow. juveniles heard calling here on previous visit.	fledged young; confirmed breeding	CM
WE003	BR9	22/08/2025	11:16	White-tailed Eagle	1	bogs and conifer plantation, travelling, sub-adult, observed in the area recently with roosting activity also recorded.	summering; non-breeding	CM
SH015	BR9	22/08/2025	11:36	Sparrowhawk	1	conifer plantation, flying, un-aged/sexed, juveniles seen in the area earlier.	suitable nesting habitat; possible breeder	CM
BZ031	BR12	29/08/2025	11:07	Buzzard	1	bogs and improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	CM
K.047	BR12	29/08/2025	12:23	Kestrel	1	bogs, hunting, mobbed, male, dived on by hooded crow.	suitable nesting habitat; possible breeder	CM
K.048	BR3	03/09/2025	12:17	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	CM
BZ032	BR10	03/09/2025	16:19	Buzzard	1	conifer plantation and scrub/transitional woodland, circling, calling, dropping into forestry near mast	suitable nesting habitat; possible breeder	NM
BZ033	BR9	03/09/2025	18:07	Buzzard	1	conifer plantation and scrub/transitional woodland, soaring, circling, calling, lost behind forestry	suitable nesting habitat; possible breeder	NM

BZ034	BR9	03/09/2025	19:58	Buzzard	1	improved agricultural grassland and conifer plantation, travelling, calling, relatively low, moving north and towards br8 area	suitable nesting habitat; possible breeder	NM
K.049	BR7	04/09/2025	07:53	Kestrel	1	bogs and semi-natural woodland, hunting, mobbed	suitable nesting habitat; possible breeder	CM
K.050	BR12	05/09/2025	07:15	Kestrel	1	bogs, hunting, hovering, adult female, joined and shadowed by juvenile. dropping abruptly into moorland	suitable nesting habitat; possible breeder	NM
K.051	BR12	05/09/2025	07:16	Kestrel	1	bogs, shadowing, calling, hovering, swooping, perched, br12. juvenile, shadowing and hunting with adult female	fledged young; confirmed breeding	NM
K.052	BR12	05/09/2025	07:21	Kestrel	1	linear woodland/scrub, bogs and improved agricultural grassland, perched, juvenile perched within faughary area	fledged young; confirmed breeding	NM
K.053	BR12	05/09/2025	07:29	Kestrel	1	bogs and improved agricultural grassland, departing, shadowing, chasing, juvenile departing perched, joining adult once again before swooping downhill	fledged young; confirmed breeding	NM
K.054	BR12	05/09/2025	07:29	Kestrel	1	bogs and improved agricultural grassland, hunting, hovering, swooping, adult joined and chased by juvenile before swooping downhill into cartrongibbagh area	suitable nesting habitat; possible breeder	NM
K.055	BR11	05/09/2025	11:19	Kestrel	1	bogs and semi-natural grassland, hunting, hovering, swooping, departing downhill, lost behind forestry	suitable nesting habitat; possible breeder	NM
BZ035	BR11	05/09/2025	11:37	Buzzard	1	scrub/transitional woodland, conifer plantation and improved agricultural grassland, soaring, circling, off site. moving away north	suitable nesting habitat; possible breeder	NM
K.056	BR11	05/09/2025	12:48	Kestrel	1	bogs and improved agricultural grassland, hunting, hovering, dropping abruptly, lost behind terrain	suitable nesting habitat; possible breeder	NM
BZ036	BR11	05/09/2025	13:04	Buzzard	1	conifer plantation, bogs and improved agricultural grassland, soaring high, killea / rathkeelin areas	suitable nesting habitat; possible breeder	NM
BZ037	BR11	05/09/2025	13:52	Buzzard	2	improved agricultural grassland, highly modified/non-native woodland and bogs, soaring, circling, travelling, off site, present high for a long period. eventually swirling and descending	pair; probable breeding	NM
K.057	BR2	17/09/2025	12:47	Kestrel	1	conifer plantation and bogs, hunting, brief view, dropped behind forestry.	suitable nesting habitat; possible breeder	CM

Table 1.3 Non-Target Observations

Date	Survey	Species	Notes	Surveyor
08/04/2025	Vantage Point Survey, VP3	House Martin		NM
08/04/2025	Vantage Point Survey, VP3	Hooded Crow		NM
08/04/2025	Vantage Point Survey, VP3	Barn Swallow		NM
08/04/2025	Vantage Point Survey, VP3	Willow Warbler		NM
08/04/2025	Vantage Point Survey, VP3	Magpie		NM
08/04/2025	Vantage Point Survey, VP3	Siskin		NM
08/04/2025	Vantage Point Survey, VP3	Woodpigeon		NM
08/04/2025	Vantage Point Survey, VP3	Blackbird		NM
08/04/2025	Vantage Point Survey, VP3	Raven		NM
08/04/2025	Vantage Point Survey, VP3	Song Thrush		NM
08/04/2025	Vantage Point Survey, VP3	Stonechat		NM
08/04/2025	Vantage Point Survey, VP3	Robin		NM
08/04/2025	Vantage Point Survey, VP3	Wren		NM
08/04/2025	Vantage Point Survey, VP3	Great Tit		NM
08/04/2025	Vantage Point Survey, VP3	Jay		NM
09/04/2025	Vantage Point Survey, VP4	Willow Warbler		NM
09/04/2025	Vantage Point Survey, VP4	Magpie		NM
09/04/2025	Vantage Point Survey, VP4	Blackcap		NM
09/04/2025	Vantage Point Survey, VP4	Chaffinch		NM
09/04/2025	Vantage Point Survey, VP4	Robin		NM
09/04/2025	Vantage Point Survey, VP4	Woodpigeon		NM
09/04/2025	Vantage Point Survey, VP4	Siskin		NM
09/04/2025	Vantage Point Survey, VP4	Golderest		NM
09/04/2025	Vantage Point Survey, VP4	Goldfinch		NM
09/04/2025	Vantage Point Survey, VP4	Bullfinch		NM
09/04/2025	Vantage Point Survey, VP4	Wren		NM
09/04/2025	Vantage Point Survey, VP4	Mistle Thrush		NM
09/04/2025	Vantage Point Survey, VP4	Great Tit		NM
09/04/2025	Vantage Point Survey, VP4	Raven		NM
10/04/2025	Vantage Point Survey, VP2	Sand Martin		NM

10/04/2025	Vantage Point Survey, VP2	Raven		NM
10/04/2025	Vantage Point Survey, VP2	Willow Warbler		NM
10/04/2025	Vantage Point Survey, VP2	Skylark		NM
10/04/2025	Vantage Point Survey, VP2	Robin		NM
10/04/2025	Vantage Point Survey, VP2	Wheatear		NM
10/04/2025	Vantage Point Survey, VP2	Whinchat		NM
10/04/2025	Vantage Point Survey, VP2	Pied Wagtail		NM
10/04/2025	Vantage Point Survey, VP2	Hooded Crow		NM
10/04/2025	Vantage Point Survey, VP2	Cuckoo		NM
10/04/2025	Vantage Point Survey, VP2	Blue Tit		NM
10/04/2025	Vantage Point Survey, VP2	Jackdaw		NM
10/04/2025	Vantage Point Survey, VP2	Pheasant		NM
11/04/2025	Vantage Point Survey, VP1	Robin		NM
11/04/2025	Vantage Point Survey, VP1	Skylark		NM
11/04/2025	Vantage Point Survey, VP1	Chaffinch		NM
11/04/2025	Vantage Point Survey, VP1	Goldcrest		NM
11/04/2025	Vantage Point Survey, VP1	Barn Swallow		NM
11/04/2025	Vantage Point Survey, VP1	Raven		NM
11/04/2025	Vantage Point Survey, VP1	Siskin		NM
11/04/2025	Vantage Point Survey, VP1	Sand Martin		NM
11/04/2025	Vantage Point Survey, VP1	Blackcap		NM
11/04/2025	Vantage Point Survey, VP1	Willow Warbler		NM
11/04/2025	Vantage Point Survey, VP1	Hooded Crow		NM
11/04/2025	Vantage Point Survey, VP1	House Martin		NM
11/04/2025	Vantage Point Survey, VP1	Woodpigeon		NM
11/04/2025	Vantage Point Survey, VP1	Blackbird		NM
11/04/2025	Vantage Point Survey, VP1	Wren		NM
08/05/2025	Vantage Point Survey, VP4	Bullfinch		NM
08/05/2025	Vantage Point Survey, VP4	Goldfinch		NM
08/05/2025	Vantage Point Survey, VP4	Starling		NM
08/05/2025	Vantage Point Survey, VP4	Hooded Crow		NM
08/05/2025	Vantage Point Survey, VP4	Robin		NM
08/05/2025	Vantage Point Survey, VP4	Blackbird		NM
08/05/2025	Vantage Point Survey, VP4	Chaffinch		NM

08/05/2025	Vantage Point Survey, VP4	Pied Wagtail		NM
08/05/2025	Vantage Point Survey, VP4	Chiffchaff		NM
08/05/2025	Vantage Point Survey, VP4	Wren		NM
08/05/2025	Vantage Point Survey, VP4	Cuckoo		NM
08/05/2025	Vantage Point Survey, VP4	Lesser Redpoll		NM
08/05/2025	Vantage Point Survey, VP4	Long-tailed Tit		NM
08/05/2025	Vantage Point Survey, VP4	Jay		NM
08/05/2025	Vantage Point Survey, VP4	Raven		NM
08/05/2025	Vantage Point Survey, VP4	Willow Warbler		NM
08/05/2025	Vantage Point Survey, VP4	Barn Swallow		NM
08/05/2025	Vantage Point Survey, VP4	Blackcap		NM
08/05/2025	Vantage Point Survey, VP4	Stonechat		NM
08/05/2025	Vantage Point Survey, VP4	Mistle Thrush		NM
08/05/2025	Vantage Point Survey, VP4	Woodpigeon		NM
08/05/2025	Vantage Point Survey, VP4	Magpie		NM
09/05/2025	Vantage Point Survey, VP3	Wren		NM
09/05/2025	Vantage Point Survey, VP3	Robin		NM
09/05/2025	Vantage Point Survey, VP3	Barn Swallow		NM
09/05/2025	Vantage Point Survey, VP3	House Martin		NM
09/05/2025	Vantage Point Survey, VP3	Stonechat		NM
09/05/2025	Vantage Point Survey, VP3	Willow Warbler		NM
09/05/2025	Vantage Point Survey, VP3	Cuckoo		NM
09/05/2025	Vantage Point Survey, VP3	Woodpigeon		NM
09/05/2025	Vantage Point Survey, VP3	Magpie		NM
09/05/2025	Vantage Point Survey, VP3	Raven		NM
09/05/2025	Vantage Point Survey, VP3	Rook		NM
09/05/2025	Vantage Point Survey, VP3	Wheatear		NM
09/05/2025	Vantage Point Survey, VP3	Skylark		NM
09/05/2025	Vantage Point Survey, VP3	Mistle Thrush		NM
09/05/2025	Vantage Point Survey, VP3	Magpie		NM
26/05/2025	Vantage Point Survey, VP1	Robin	3	RV
26/05/2025	Vantage Point Survey, VP1	Wren	4	RV
26/05/2025	Vantage Point Survey, VP1	Dunnock	1	RV
26/05/2025	Vantage Point Survey, VP1	Blackcap	1	RV

26/05/2025	Vantage Point Survey, VP1	Blackbird	2	RV
26/05/2025	Vantage Point Survey, VP1	Song Thrush	3	RV
26/05/2025	Vantage Point Survey, VP1	Mistle Thrush	2	RV
26/05/2025	Vantage Point Survey, VP1	Skylark	4	RV
26/05/2025	Vantage Point Survey, VP1	Raven	2	RV
26/05/2025	Vantage Point Survey, VP1	Hooded Crow	11	RV
26/05/2025	Vantage Point Survey, VP1	Magpie	6	RV
26/05/2025	Vantage Point Survey, VP1	Jackdaw	25	RV
26/05/2025	Vantage Point Survey, VP1	Jay	3	RV
26/05/2025	Vantage Point Survey, VP1	Woodpigeon	3	RV
26/05/2025	Vantage Point Survey, VP1	Sand Martin	2	RV
26/05/2025	Vantage Point Survey, VP1	Barn Swallow	3	RV
26/05/2025	Vantage Point Survey, VP1	Goldcrest	3	RV
26/05/2025	Vantage Point Survey, VP1	Willow Warbler	2	RV
26/05/2025	Vantage Point Survey, VP1	Chiffchaff	1	RV
26/05/2025	Vantage Point Survey, VP1	Reed Bunting	2	RV
26/05/2025	Vantage Point Survey, VP1	Crossbill	4	RV
26/05/2025	Vantage Point Survey, VP1	Chaffinch	5	RV
26/05/2025	Vantage Point Survey, VP1	Siskin	9	RV
26/05/2025	Vantage Point Survey, VP1	Lesser Redpoll	2	RV
28/05/2025	Vantage Point Survey, VP2	Skylark	4	RV
28/05/2025	Vantage Point Survey, VP2	Robin	2	RV
28/05/2025	Vantage Point Survey, VP2	Wren	3	RV
28/05/2025	Vantage Point Survey, VP2	Dunnock	1	RV
28/05/2025	Vantage Point Survey, VP2	Siskin	7	RV
28/05/2025	Vantage Point Survey, VP2	Lesser Redpoll	1	RV
28/05/2025	Vantage Point Survey, VP2	Crossbill	2	RV
28/05/2025	Vantage Point Survey, VP2	Chaffinch	3	RV
28/05/2025	Vantage Point Survey, VP2	Hooded Crow	8	RV
28/05/2025	Vantage Point Survey, VP2	Raven	7	RV
28/05/2025	Vantage Point Survey, VP2	Magpie	4	RV
28/05/2025	Vantage Point Survey, VP2	Jackdaw	20	RV
28/05/2025	Vantage Point Survey, VP2	Rook	3	RV
28/05/2025	Vantage Point Survey, VP2	Jay	2	RV

28/05/2025	Vantage Point Survey, VP2	Woodpigeon	2	RV
28/05/2025	Vantage Point Survey, VP2	Blackbird	2	RV
28/05/2025	Vantage Point Survey, VP2	Song Thrush	3	RV
28/05/2025	Vantage Point Survey, VP2	Mistle Thrush	2	RV
28/05/2025	Vantage Point Survey, VP2	Sand Martin	14	RV
28/05/2025	Vantage Point Survey, VP2	Coal Tit	2	RV
28/05/2025	Vantage Point Survey, VP2	Chiffchaff	1	RV
28/05/2025	Vantage Point Survey, VP2	Willow Warbler	2	RV
28/05/2025	Vantage Point Survey, VP2	Goldcrest	3	RV
28/05/2025	Vantage Point Survey, VP2	Blackcap	1	RV
28/05/2025	Vantage Point Survey, VP2	Barn Swallow	3	RV
28/05/2025	Vantage Point Survey, VP2	Grasshopper Warbler	1	RV
19/06/2025	Vantage Point Survey, VP3	Wren	8	RV
19/06/2025	Vantage Point Survey, VP3	Robin	3	RV
19/06/2025	Vantage Point Survey, VP3	Dunnock	3	RV
19/06/2025	Vantage Point Survey, VP3	Reed Bunting	2	RV
19/06/2025	Vantage Point Survey, VP3	Skylark	9	RV
19/06/2025	Vantage Point Survey, VP3	Woodpigeon	7	RV
19/06/2025	Vantage Point Survey, VP3	Hooded Crow	7	RV
19/06/2025	Vantage Point Survey, VP3	Raven	2	RV
19/06/2025	Vantage Point Survey, VP3	Starling	1, lone juvenile	RV
19/06/2025	Vantage Point Survey, VP3	Jay	3	RV
19/06/2025	Vantage Point Survey, VP3	Magpie	4	RV
19/06/2025	Vantage Point Survey, VP3	Crossbill	9, flyovers	RV
19/06/2025	Vantage Point Survey, VP3	Siskin	7, flyovers	RV
19/06/2025	Vantage Point Survey, VP3	Lesser Redpoll	2	RV
19/06/2025	Vantage Point Survey, VP3	Willow Warbler	4, family party	RV
19/06/2025	Vantage Point Survey, VP3	Blackcap	2, singing	RV
19/06/2025	Vantage Point Survey, VP3	Chiffchaff	2, singing	RV
19/06/2025	Vantage Point Survey, VP3	Goldcrest	2, singing	RV
19/06/2025	Vantage Point Survey, VP3	Chaffinch	14, flyovers	RV
19/06/2025	Vantage Point Survey, VP3	Mistle Thrush	2	RV
19/06/2025	Vantage Point Survey, VP3	Blackbird	3, singing	RV
19/06/2025	Vantage Point Survey, VP3	Song Thrush	3, singing	RV

19/06/2025	Vantage Point Survey, VP3	Coal Tit	5	RV
19/06/2025	Vantage Point Survey, VP3	Blue Tit	2	RV
19/06/2025	Vantage Point Survey, VP3	Great Tit	1	RV
19/06/2025	Vantage Point Survey, VP3	House Martin	1	RV
19/06/2025	Vantage Point Survey, VP3	Sand Martin	3	RV
19/06/2025	Vantage Point Survey, VP3	Barn Swallow	4	RV
20/06/2025	Vantage Point Survey, VP2	Sand Martin	15, from nearby colony	RV
20/06/2025	Vantage Point Survey, VP2	Barn Swallow	8	RV
20/06/2025	Vantage Point Survey, VP2	House Martin	3	RV
20/06/2025	Vantage Point Survey, VP2	Skylark	12, displaying	RV
20/06/2025	Vantage Point Survey, VP2	Mistle Thrush	2	RV
20/06/2025	Vantage Point Survey, VP2	Blackbird	3, singing	RV
20/06/2025	Vantage Point Survey, VP2	Song Thrush	1, singing	RV
20/06/2025	Vantage Point Survey, VP2	Robin	2, singing	RV
20/06/2025	Vantage Point Survey, VP2	Wren	8	RV
20/06/2025	Vantage Point Survey, VP2	Dunnock	1, singing	RV
20/06/2025	Vantage Point Survey, VP2	Willow Warbler	3	RV
20/06/2025	Vantage Point Survey, VP2	Chiffchaff	1, singing	RV
20/06/2025	Vantage Point Survey, VP2	Woodpigeon	7	RV
20/06/2025	Vantage Point Survey, VP2	Raven	20, minimum arriving to roost	RV
20/06/2025	Vantage Point Survey, VP2	Hooded Crow	9	RV
20/06/2025	Vantage Point Survey, VP2	Jackdaw	19	RV
20/06/2025	Vantage Point Survey, VP2	Rook	6	RV
20/06/2025	Vantage Point Survey, VP2	Starling	30 plus, juv flock	RV
20/06/2025	Vantage Point Survey, VP2	Linnet	2, pair	RV
20/06/2025	Vantage Point Survey, VP2	Goldfinch	6, along track	RV
20/06/2025	Vantage Point Survey, VP2	Crossbill	8, several flyovers	RV
20/06/2025	Vantage Point Survey, VP2	Chaffinch	10, several flyovers	RV
20/06/2025	Vantage Point Survey, VP2	Siskin	12, several flyovers	RV
20/06/2025	Vantage Point Survey, VP2	Lesser Redpoll	2, pair	RV
20/06/2025	Vantage Point Survey, VP2	Coal Tit	4	RV
20/06/2025	Vantage Point Survey, VP2	Great Tit	1, heard	RV
20/06/2025	Vantage Point Survey, VP2	Goldcrest	4	RV
20/06/2025	Vantage Point Survey, VP2	Great Spotted Woodpecker	1, heard	RV

20/06/2025	Vantage Point Survey, VP2	Pied Wagtail	3, 1 ad and 2 juv	RV
25/06/2025	Vantage Point Survey, VP1	Raven	18	RV
25/06/2025	Vantage Point Survey, VP1	Hooded Crow	8, several flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Magpie	6	RV
25/06/2025	Vantage Point Survey, VP1	Jackdaw	15	RV
25/06/2025	Vantage Point Survey, VP1	Starling	35, roving flock of juv	RV
25/06/2025	Vantage Point Survey, VP1	Jay	3	RV
25/06/2025	Vantage Point Survey, VP1	Crossbill	6, flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Siskin	17, feeding flock by vp	RV
25/06/2025	Vantage Point Survey, VP1	Chaffinch	8, several flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Lesser Redpoll	3, feeding with sk	RV
25/06/2025	Vantage Point Survey, VP1	Goldfinch	3	RV
25/06/2025	Vantage Point Survey, VP1	Coal Tit	3	RV
25/06/2025	Vantage Point Survey, VP1	Goldcrest	1 juv around vp on ground	RV
25/06/2025	Vantage Point Survey, VP1	Robin	2, singing	RV
25/06/2025	Vantage Point Survey, VP1	Wren	3, singing	RV
25/06/2025	Vantage Point Survey, VP1	Dunnock	1, singing	RV
25/06/2025	Vantage Point Survey, VP1	Blackbird	2, singing	RV
25/06/2025	Vantage Point Survey, VP1	Song Thrush	1, singing	RV
25/06/2025	Vantage Point Survey, VP1	Mistle Thrush	2, pair	RV
25/06/2025	Vantage Point Survey, VP1	Willow Warbler	1, singing	RV
25/06/2025	Vantage Point Survey, VP1	Woodpigeon	3, several flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Feral Pigeon	4, flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Barn Swallow	4 adults and juvs around vp	RV
25/06/2025	Vantage Point Survey, VP1	Sand Martin	10, several flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Skylark	7, displaying and flyovers	RV
25/06/2025	Vantage Point Survey, VP1	Reed Bunting	2, pair	RV
28/06/2025	Vantage Point Survey, VP4	Willow Warbler	4 adults and juvs around vp	RV
28/06/2025	Vantage Point Survey, VP4	Chiffchaff	1, heard	RV
28/06/2025	Vantage Point Survey, VP4	Goldcrest	6, adults and juv	RV
28/06/2025	Vantage Point Survey, VP4	Blackcap	3, singing, pair seen	RV
28/06/2025	Vantage Point Survey, VP4	Whitethroat	1, singing	RV
28/06/2025	Vantage Point Survey, VP4	Blue Tit	7, adults and juveniles	RV
28/06/2025	Vantage Point Survey, VP4	Great Tit	2, pair	RV

28/06/2025	Vantage Point Survey, VP4	Coal Tit	3	RV
28/06/2025	Vantage Point Survey, VP4	Long-tailed Tit	6, adults and juvs	RV
28/06/2025	Vantage Point Survey, VP4	Chaffinch	7, flyovers	RV
28/06/2025	Vantage Point Survey, VP4	Goldfinch	4	RV
28/06/2025	Vantage Point Survey, VP4	Siskin	4 feeding by vp	RV
28/06/2025	Vantage Point Survey, VP4	Lesser Redpoll	1, briefly with sk	RV
28/06/2025	Vantage Point Survey, VP4	Bullfinch	3, 1 male and 2 juv	RV
28/06/2025	Vantage Point Survey, VP4	Siskin	2	RV
28/06/2025	Vantage Point Survey, VP4	Reed Bunting	7, adults and juveniles	RV
28/06/2025	Vantage Point Survey, VP4	Woodpigeon	11, flyovers	RV
28/06/2025	Vantage Point Survey, VP4	Collared Dove	2, pair around houses	RV
28/06/2025	Vantage Point Survey, VP4	Feral Pigeon	3, flyovers	RV
28/06/2025	Vantage Point Survey, VP4	Great Spotted Woodpecker	2, heard	RV
28/06/2025	Vantage Point Survey, VP4	Raven	4, family party	RV
28/06/2025	Vantage Point Survey, VP4	Rook	7	RV
28/06/2025	Vantage Point Survey, VP4	Jackdaw	12, regular flyovers	RV
28/06/2025	Vantage Point Survey, VP4	Hooded Crow	6, regular flyovers	RV
28/06/2025	Vantage Point Survey, VP4	Magpie	3	RV
28/06/2025	Vantage Point Survey, VP4	Spotted Flycatcher	3, 1 ad and 2 juv by cottage	RV
28/06/2025	Vantage Point Survey, VP4	Robin	4 adults and juvs around vp	RV
28/06/2025	Vantage Point Survey, VP4	Dunnock	2, heard	RV
28/06/2025	Vantage Point Survey, VP4	Wren	8, adults and juvs aroundvp	RV
28/06/2025	Vantage Point Survey, VP4	Sand Martin	8	RV
28/06/2025	Vantage Point Survey, VP4	Barn Swallow	10	RV
28/06/2025	Vantage Point Survey, VP4	House Martin	3	RV
28/06/2025	Vantage Point Survey, VP4	Blackbird	4, singing, 2 juvs seen	RV
28/06/2025	Vantage Point Survey, VP4	Song Thrush	2, heard	RV
28/06/2025	Vantage Point Survey, VP4	Mistle Thrush	2, flyovers	RV
15/07/2025	Vantage Point Survey, VP1	Raven		CM
15/07/2025	Vantage Point Survey, VP1	Woodpigeon		CM
15/07/2025	Vantage Point Survey, VP1	Hooded Crow		CM
15/07/2025	Vantage Point Survey, VP1	Skylark		CM
15/07/2025	Vantage Point Survey, VP1	Sand Martin		CM
15/07/2025	Vantage Point Survey, VP1	Barn Swallow		CM

08/08/2025	Vantage Point Survey, VP1	Raven	35, mobbing we and roosting in pines by track down hill	RV
08/08/2025	Vantage Point Survey, VP1	Hooded Crow	9	RV
08/08/2025	Vantage Point Survey, VP1	Rook	4	RV
08/08/2025	Vantage Point Survey, VP1	Jackdaw	12, flocks passing and feeding in sheep fields	RV
08/08/2025	Vantage Point Survey, VP1	Magpie	6	RV
08/08/2025	Vantage Point Survey, VP1	Jay	3	RV
08/08/2025	Vantage Point Survey, VP1	Woodpigeon	13, flyovers	RV
08/08/2025	Vantage Point Survey, VP1	Starling	45, minimum, flock of mostly juveniles.	RV
08/08/2025	Vantage Point Survey, VP1	Mistle Thrush	7, flyovers	RV
08/08/2025	Vantage Point Survey, VP1	Blackbird	1, singing	RV
08/08/2025	Vantage Point Survey, VP1	Song Thrush	2, singing	RV
08/08/2025	Vantage Point Survey, VP1	Skylark	3	RV
08/08/2025	Vantage Point Survey, VP1	Reed Bunting	1	RV
08/08/2025	Vantage Point Survey, VP1	Siskin	12, roving flock	RV
08/08/2025	Vantage Point Survey, VP1	Lesser Redpoll	1, flyovers	RV
08/08/2025	Vantage Point Survey, VP1	Chaffinch	9, flyovers	RV
08/08/2025	Vantage Point Survey, VP1	Bullfinch	2, flyovers	RV
08/08/2025	Vantage Point Survey, VP1	Golderest	3	RV
08/08/2025	Vantage Point Survey, VP1	Willow Warbler	1, singing	RV
08/08/2025	Vantage Point Survey, VP1	Coal Tit	4	RV
08/08/2025	Vantage Point Survey, VP1	Barn Swallow	40, minimum, large flock feeding over plantation east of vp late in evening	RV
08/08/2025	Vantage Point Survey, VP1	Sand Martin	15	RV
08/08/2025	Vantage Point Survey, VP1	House Martin	6	RV
08/08/2025	Vantage Point Survey, VP1	Wren	1, singing	RV
09/08/2025	Vantage Point Survey, VP2	Raven	14	RV
09/08/2025	Vantage Point Survey, VP2	Hooded Crow	9	RV
09/08/2025	Vantage Point Survey, VP2	Magpie	4	RV
09/08/2025	Vantage Point Survey, VP2	Jay	1	RV
09/08/2025	Vantage Point Survey, VP2	Starling	15, flock of juv	RV
09/08/2025	Vantage Point Survey, VP2	Jackdaw	6	RV
09/08/2025	Vantage Point Survey, VP2	Woodpigeon	6	RV
09/08/2025	Vantage Point Survey, VP2	Mistle Thrush	3	RV

09/08/2025	Vantage Point Survey, VP2	Song Thrush	1	RV
09/08/2025	Vantage Point Survey, VP2	Blackbird	1, singing	RV
09/08/2025	Vantage Point Survey, VP2	Siskin	8, flyovers	RV
09/08/2025	Vantage Point Survey, VP2	Lesser Redpoll	2, flyovers	RV
09/08/2025	Vantage Point Survey, VP2	Chaffinch	8, feeding in pines	RV
09/08/2025	Vantage Point Survey, VP2	Goldfinch	7, feeding along road	RV
09/08/2025	Vantage Point Survey, VP2	Goldcrest	2, feeding in pines	RV
09/08/2025	Vantage Point Survey, VP2	Coal Tit	4	RV
09/08/2025	Vantage Point Survey, VP2	Great Tit	2	RV
09/08/2025	Vantage Point Survey, VP2	Barn Swallow	13	RV
09/08/2025	Vantage Point Survey, VP2	Sand Martin	10	RV
09/08/2025	Vantage Point Survey, VP2	Robin	2, singing	RV
09/08/2025	Vantage Point Survey, VP2	Wren	3	RV
09/08/2025	Vantage Point Survey, VP2	Dunnock	1, singing	RV
10/08/2025	Vantage Point Survey, VP3	Raven	3	RV
10/08/2025	Vantage Point Survey, VP3	Hooded Crow	4	RV
10/08/2025	Vantage Point Survey, VP3	Magpie	2	RV
10/08/2025	Vantage Point Survey, VP3	Jay	1, flyover	RV
10/08/2025	Vantage Point Survey, VP3	Woodpigeon	3	RV
10/08/2025	Vantage Point Survey, VP3	Mistle Thrush	1	RV
10/08/2025	Vantage Point Survey, VP3	Blackbird	1, singing	RV
10/08/2025	Vantage Point Survey, VP3	Song Thrush	1, singing	RV
10/08/2025	Vantage Point Survey, VP3	Siskin	4	RV
10/08/2025	Vantage Point Survey, VP3	Lesser Redpoll	1, flyover	RV
10/08/2025	Vantage Point Survey, VP3	Crossbill	8, one flock flyover	RV
10/08/2025	Vantage Point Survey, VP3	Chaffinch	4	RV
10/08/2025	Vantage Point Survey, VP3	Goldfinch	6, feeding along road	RV
10/08/2025	Vantage Point Survey, VP3	Wren	4	RV
10/08/2025	Vantage Point Survey, VP3	Robin	1, singing	RV
10/08/2025	Vantage Point Survey, VP3	Dunnock	1, singing	RV
10/08/2025	Vantage Point Survey, VP3	Coal Tit	4	RV
10/08/2025	Vantage Point Survey, VP3	Blue Tit	1, calling	RV
10/08/2025	Vantage Point Survey, VP3	Barn Swallow	4	RV
10/08/2025	Vantage Point Survey, VP3	Sand Martin	8	RV

10/08/2025	Vantage Point Survey, VP3	Willow Warbler	1, singing	RV
11/08/2025	Vantage Point Survey, VP4	Wren	8	RV
11/08/2025	Vantage Point Survey, VP4	Robin	3	RV
11/08/2025	Vantage Point Survey, VP4	Dunnock	4	RV
11/08/2025	Vantage Point Survey, VP4	Blue Tit	4	RV
11/08/2025	Vantage Point Survey, VP4	Great Tit	3	RV
11/08/2025	Vantage Point Survey, VP4	Coal Tit	4	RV
11/08/2025	Vantage Point Survey, VP4	Long-tailed Tit	7, adult and juveniles	RV
11/08/2025	Vantage Point Survey, VP4	Willow Warbler	2	RV
11/08/2025	Vantage Point Survey, VP4	Blackcap	3	RV
11/08/2025	Vantage Point Survey, VP4	Chiffchaff	1, singing	RV
11/08/2025	Vantage Point Survey, VP4	Goldcrest	6	RV
11/08/2025	Vantage Point Survey, VP4	Siskin	10, lots of flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Lesser Redpoll	3, flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Chaffinch	10, lots of flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Bullfinch	4, 2 pairs	RV
11/08/2025	Vantage Point Survey, VP4	Goldfinch	8	RV
11/08/2025	Vantage Point Survey, VP4	Barn Swallow	40, feeding over fields	RV
11/08/2025	Vantage Point Survey, VP4	Sand Martin	10, feeding over fields	RV
11/08/2025	Vantage Point Survey, VP4	House Martin	4, feeding over fields	RV
11/08/2025	Vantage Point Survey, VP4	Raven	3, flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Hooded Crow	4	RV
11/08/2025	Vantage Point Survey, VP4	Magpie	5	RV
11/08/2025	Vantage Point Survey, VP4	Jay	3	RV
11/08/2025	Vantage Point Survey, VP4	Starling	1, juv	RV
11/08/2025	Vantage Point Survey, VP4	Jackdaw	6	RV
11/08/2025	Vantage Point Survey, VP4	Woodpigeon	13, flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Song Thrush	2	RV
11/08/2025	Vantage Point Survey, VP4	Blackbird	6	RV
11/08/2025	Vantage Point Survey, VP4	Mistle Thrush	3	RV
11/08/2025	Vantage Point Survey, VP4	Reed Bunting	2, pair	RV
11/08/2025	Vantage Point Survey, VP4	Skylark	2, flyovers	RV
11/08/2025	Vantage Point Survey, VP4	Great Spotted Woodpecker	1, calling	RV
08/09/2025	Vantage Point Survey, VP1	Barn Swallow		CM

08/09/2025	Vantage Point Survey, VP1	Sand Martin		CM
08/09/2025	Vantage Point Survey, VP1	House Martin		CM
08/09/2025	Vantage Point Survey, VP1	Raven		CM
08/09/2025	Vantage Point Survey, VP1	Goldfinch		CM
09/09/2025	Vantage Point Survey, VP1	Raven		CM
09/09/2025	Vantage Point Survey, VP1	Goldcrest		CM
09/09/2025	Vantage Point Survey, VP1	Wren		CM
16/09/2025	Vantage Point Survey, VP2	Hooded Crow		CM
16/09/2025	Vantage Point Survey, VP2	Raven		CM
16/09/2025	Vantage Point Survey, VP2	Jay		CM
16/09/2025	Vantage Point Survey, VP2	Robin		CM
16/09/2025	Vantage Point Survey, VP2	Skylark		CM
16/09/2025	Vantage Point Survey, VP2	Goldfinch		CM
17/09/2025	Vantage Point Survey, VP2	Raven		CM
17/09/2025	Vantage Point Survey, VP2	Robin		CM
17/09/2025	Vantage Point Survey, VP2	Great Tit		CM
17/09/2025	Vantage Point Survey, VP2	Lesser Redpoll		CM
17/09/2025	Vantage Point Survey, VP2	Wren		CM
17/09/2025	Vantage Point Survey, VP2	Barn Swallow		CM
17/09/2025	Vantage Point Survey, VP2	Goldfinch		CM
25/09/2025	Vantage Point Survey, VP4	Robin		AOD
25/09/2025	Vantage Point Survey, VP4	Blackbird		AOD
25/09/2025	Vantage Point Survey, VP4	Wren		AOD
25/09/2025	Vantage Point Survey, VP4	Goldcrest		AOD
26/09/2025	Vantage Point Survey, VP3	Raven		KB
26/09/2025	Vantage Point Survey, VP3	Stonechat		KB
29/09/2025	Vantage Point Survey, VP4	Robin		AOD
29/09/2025	Vantage Point Survey, VP4	Wren		AOD
29/09/2025	Vantage Point Survey, VP4	Jay		AOD
29/09/2025	Vantage Point Survey, VP4	Blackbird		AOD
29/09/2025	Vantage Point Survey, VP4	Mistle Thrush		AOD

Table 1.4 Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Vantage Point Survey; VP3 area	08/04/2025	18:01	Snipe	3	bogs; chirping	NM
SN002	Vantage Point Survey; VP3 area	08/04/2025	21:24	Snipe	2	bogs; drumming	NM
SN003	Vantage Point Survey; VP3 area	08/04/2025	21:27	Snipe	1	bogs; flushed, alarming	NM
SN004	Vantage Point Survey; VP3 area	08/04/2025	21:33	Snipe	1	bogs; drumming	NM
SN005	Vantage Point Survey; VP3 area	08/04/2025	21:47	Snipe	5	bogs; drumming, swirling, over moorland at twilight, numbers rough overhead	NM
BZ001	Vantage Point Survey; Skreeny / VP4 area	09/04/2025	14:09	Buzzard	1	conifer plantation, improved agricultural grassland and linear woodland/scrub; soaring, circling, calling, travelling	NM
SN006	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	14:33	Snipe	1	improved agricultural grassland; flushed, alarming	NM
SN007	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	14:39	Snipe	1	improved agricultural grassland; flushed, alarming	NM
MP001	Vantage Point Survey; VP4 area	09/04/2025	14:41	Meadow Pipit	4	semi-natural grassland and improved agricultural grassland; flitting, calling, perched	NM
SN008	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:31	Snipe	3	improved agricultural grassland; chirping	NM
SN009	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:33	Snipe	1	improved agricultural grassland; drumming	NM
SN010	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:34	Snipe	2	improved agricultural grassland; chirping	NM
SN011	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:35	Snipe	1	improved agricultural grassland; flushed, alarming	NM
SN012	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:39	Snipe	3	improved agricultural grassland; drumming, swooping, numbers rough in darkness	NM
SN013	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:41	Snipe	3	improved agricultural grassland; chirping	NM
SN014	Vantage Point Survey; VP4 area (Skreeny)	09/04/2025	21:51	Snipe	3	improved agricultural grassland; drumming, swooping, numbers rough. scattered, separate territories	NM
SN015	Vantage Point Survey; VP2 area	10/04/2025	21:37	Snipe	2	bogs; flushed, alarming	NM
SN016	Vantage Point Survey; VP2 parking	10/04/2025	21:40	Snipe	3	bogs; drumming, swirling, numbers rough, scattered + separate territories	NM
SN017	Vantage Point Survey; VP2 area	10/04/2025	21:44	Snipe	1	bogs; flying, calling	NM
SN018	Vantage Point Survey; VP1 area	11/04/2025	14:46	Snipe	1	bogs and semi-natural grassland; flushed, alarming	NM
GL001	Breeding Raptor Survey; br10	17/04/2025	08:10	Grey Wagtail	2	improved agricultural grassland; flying, pair	CM
GP001	Breeding Raptor Survey; Dough Mountain	17/04/2025	10:03	Golden Plover	113	bogs; landing, flock settling onto the bog.	CM

SN019	Breeding Raptor Survey; Doagh Mountain	17/04/2025	12:13	Snipe	1	bogs; flushed	CM
SM001	Breeding Raptor Survey; Doagh	17/04/2025	12:54	Sand Martin	20	exposed rock; nesting, sand martins nesting in hillside above the road.	CM
SN020	Breeding Raptor Survey; BR4	28/04/2025	15:10	Snipe	1	upland blanket bog; chipping, chipping	AOD
GL002	Breeding Raptor Survey; BR13	28/04/2025	19:21	Grey Wagtail	2	conifer plantation; d	AOD
SN021	Vantage Point Survey; VP4 area	08/05/2025	04:33	Snipe	1	semi-natural grassland and highly modified/non-native woodland; flushed, alarming	NM
MP002	Vantage Point Survey; Skreeny	08/05/2025	04:39	Meadow Pipit	1	improved agricultural grassland; calling, numbers rough, pre-dawn	NM
SN022	Vantage Point Survey; Skreeny	08/05/2025	11:21	Snipe	2	semi-natural grassland and improved agricultural grassland; flushed, alarming	NM
MP003	Vantage Point Survey; Skreeny	08/05/2025	11:22	Meadow Pipit	6	improved agricultural grassland, semi-natural grassland and scrub/transitional woodland; flitting, calling, displaying	NM
SN023	Vantage Point Survey; Skreeny	08/05/2025	11:25	Snipe	1	improved agricultural grassland and semi-natural grassland; flushed, alarming	NM
MP004	Vantage Point Survey; Skreeny	08/05/2025	11:39	Meadow Pipit	3	improved agricultural grassland and linear woodland/scrub; flying, calling	NM
MP005	Vantage Point Survey; Skreeny	08/05/2025	11:43	Meadow Pipit	3	improved agricultural grassland and linear woodland/scrub; displaying, calling, perched	NM
HH001	Breeding Raptor Survey; BR1	08/05/2025	20:56	Hen Harrier	1	upland blanket bog; flying, male flew to perch	AOD
SN024	Vantage Point Survey; VP3 area	09/05/2025	04:22	Snipe	1	bogs and semi-natural grassland; drumming	NM
SN025	Vantage Point Survey; VP3 area	09/05/2025	04:34	Snipe	1	bogs; flushed, alarming	NM
MP006	Vantage Point Survey; VP3 area	09/05/2025	11:19	Meadow Pipit	30	bogs; flitting, displaying, courting, calling, scattered within moorland	NM
BZ002	Vantage Point Survey; Faughery	09/05/2025	11:34	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling	NM
CM001	Breeding Raptor Survey; BR1	27/05/2025	16:46	Common Gull	1	conifer plantation and wet grassland; flying, adult	AOD
MP007	Breeding Raptor Survey; brvp5	08/06/2025	08:05	Meadow Pipit	1	bogs; singing	KB
SN026	Breeding Raptor Survey; Faughery	10/06/2025	07:14	Snipe	1	upland blanket bog; display call, chipping call	AOD
MP008	Breeding Raptor Survey; brvp7	10/06/2025	16:20	Meadow Pipit	1	conifer plantation; singing	KB
MP009	Breeding Raptor Survey; brvp10	10/06/2025	19:32	Meadow Pipit	1	bogs; singing	KB
SN027	Breeding Raptor Survey; BR4	16/06/2025	06:26	Snipe	1	bogs; travelling, calling, not seen, only heard overhead in cloud	NM
MP010	Breeding Raptor Survey; BR4	16/06/2025	08:10	Meadow Pipit	95	bogs; flitting, courting, displaying, perched, foraging, consistent activity in surrounding moorland throughout survey. scattered, numbers rough, max flock - 5. frequent pairs	NM
SN028	Breeding Raptor Survey; BR4	16/06/2025	09:08	Snipe	2	bogs; chirping, numbers rough	NM
SN029	Breeding Raptor Survey; BR4	16/06/2025	10:07	Snipe	2	bogs; chirping, in moorland, numbers rough	NM
MP011	Breeding Raptor Survey; BR4	16/06/2025	10:28	Meadow Pipit	3	bogs; flitting, fluttering, chasing	NM
SN030	Breeding Raptor Survey; BR4	16/06/2025	11:33	Snipe	1	bogs; chirping, within moorland, numbers rough	NM
SN031	Breeding Raptor Survey; BR4	16/06/2025	11:51	Snipe	1	bogs; travelling, swooping, lost behind terrain	NM

MP012	Breeding Raptor Survey; Faughary	23/06/2025	05:42	Meadow Pipit	18	bogs, improved grassland and scrub/transitional woodland; flitting, calling, perched, displaying, scattered in open moorland / grassland. pairs chasing. numbers rough	NM
SN032	Breeding Raptor Survey; Faughary	23/06/2025	05:44	Snipe	1	improved agricultural grassland and bogs; drumming	NM
MP013	Breeding Raptor Survey; BR2 approach (Faughary WF)	23/06/2025	05:50	Meadow Pipit	37	improved agricultural grassland and bogs; flitting, calling, displaying, perched, scattered in pasture along access track, pairs chasing. numbers rough, max flock - 6	NM
SN033	Breeding Raptor Survey; Faughary WF	23/06/2025	05:51	Snipe	2	bogs and improved agricultural grassland; drumming, swooping, separate territories	NM
SN034	Breeding Raptor Survey; BR2	23/06/2025	06:05	Snipe	2	bogs and improved agricultural grassland; drumming, chasing, finished at ~ 06:25	NM
MP014	Breeding Raptor Survey; BR2	23/06/2025	06:15	Meadow Pipit	94	bogs and improved agricultural grassland; flitting, calling, perched, displaying, activity throughout, frequent flights in brvp area and surrounding moorland. scattered, numbers rough. max flock - 10	NM
SN035	Breeding Raptor Survey; BR2	23/06/2025	06:27	Snipe	1	improved agricultural grassland and bogs; travelling, calling, dropping into gully	NM
SN036	Breeding Raptor Survey; BR2	23/06/2025	07:33	Snipe	1	bogs; flushed, departing	NM
SN037	Breeding Raptor Survey; BR2	23/06/2025	12:14	Snipe	1	improved agricultural grassland and bogs; travelling, calling	NM
MP015	Breeding Raptor Survey; Faughary WF	23/06/2025	12:21	Meadow Pipit	33	improved agricultural grassland and bogs; flitting, calling, perched, display calls evident, scattered in area along access track. numbers rough, max flock - 7	NM
HH002	Breeding Raptor Survey; Faughary area / Saddle Hill (on site)	23/06/2025	13:04	Hen Harrier	1	improved agricultural grassland and bogs; travelling, foraging, male. moving low across rough farmland and moorland on site. through wf and lost over heather slopes	NM
MP016	Breeding Raptor Survey; brvp 12	09/07/2025	16:05	Meadow Pipit	2	bogs; singing	KB
MP017	Breeding Raptor Survey; brvp 10	09/07/2025	19:42	Meadow Pipit	2	wet grassland; flying	KB
SI001	Breeding Raptor Survey; Lissinagroagh	14/07/2025	18:03	Swift	1	conifer plantation; flying	CM
K.001	Breeding Raptor Survey; Lissinagroagh	14/07/2025	20:52	Kestrel	1	bogs and conifer plantation; flying, male, observed after survey	CM
MP018	Breeding Raptor Survey; brvp 7	15/07/2025	13:50	Meadow Pipit	2	conifer plantation; foraging	KB
SI002	Breeding Raptor Survey; Br9	18/07/2025	12:12	Swift	1	conifer plantation; flying	CM
SI003	Breeding Raptor Survey; Raheelin	18/07/2025	12:23	Swift	2	conifer plantation; flying, feeding	CM
FOX001	Breeding Raptor Survey; Boleyboy	24/07/2025	07:30	Fox	1	conifer plantation and improved agricultural grassland; walking, fox cub, this years.	CM
WE001	Vantage Point Survey; VP2	09/08/2025	09:29	White-tailed Eagle	1	eroding blanket bog, conifer plantation and improved agricultural grassland; soaring, same imm as previous evening, soaring over vp, hanging in wind and then gliding south until lost against hill over marakill lough.	RV
RG001	Breeding Raptor Survey; Lisdarush	11/08/2025	08:13	Red Grouse	1	bogs; calling, heard, not seen.	CM

RG002	Breeding Raptor Survey; Doagh	12/08/2025	09:00	Red Grouse	1	bogs; calling, heard twice but not seen.	CM
GP002	Breeding Raptor Survey; Doagh	12/08/2025	10:59	Golden Plover	1	bogs; flying, calling, landing	CM
CA001	Breeding Raptor Survey; Faughary	19/08/2025	08:59	Cormorant	1	bogs and improved agricultural grassland; flying	CM
RED SQUIRREL001	Breeding Raptor Survey; Raheelin	22/08/2025	08:15	Red Squirrel	2	mixed broadleaved/conifer woodland; foraging	CM
PINE MARTEN001	Breeding Raptor Survey; Raheelin	22/08/2025	08:20	Pine Marten	1	mixed broadleaved/conifer woodland; travelling, squirrel alarm calling nearby	CM
MP019	Breeding Raptor Survey; BR10	03/09/2025	13:40	Meadow Pipit	66	improved agricultural grassland, bogs and scrub/transitional woodland; flying, calling, perched, frequent flights and calls within brvp area throughout. numbers rough, max flock - 5	NM
MP020	Breeding Raptor Survey; BR9	03/09/2025	17:30	Meadow Pipit	45	improved agricultural grassland, scrub/transitional woodland and highly modified/non-native woodland; flitting, calling, perched, flyover, regular sightings in br area throughout, mostly within scrub and rough farmland across from brvp (~75m west). numbers rough, max flock - 12	NM
SN038	Breeding Raptor Survey; BR9	03/09/2025	17:57	Snipe	1	conifer plantation and scrub/transitional woodland; flying, calling	NM
SN039	Breeding Raptor Survey; BR9	03/09/2025	19:16	Snipe	1	improved agricultural grassland and scrub/transitional woodland; flying, calling	NM
SN040	Breeding Raptor Survey; BR9	03/09/2025	19:52	Snipe	1	improved agricultural grassland and conifer plantation; flying	NM
GL003	Breeding Raptor Survey; BR9	03/09/2025	20:32	Grey Wagtail	1	improved agricultural grassland and scrub/transitional woodland; flying, calling	NM
BZ003	Breeding Raptor Survey; BR7	04/09/2025	13:22	Buzzard	1	active quarries and mines; flushed, flying, observed after survey	CM
MP021	Breeding Raptor Survey; Faughary	05/09/2025	06:12	Meadow Pipit	1	bogs and semi-natural grassland; flying, calling	NM
MP022	Breeding Raptor Survey; Faughary	05/09/2025	06:16	Meadow Pipit	5	bogs and improved agricultural grassland; flitting, calling, along wf track	NM
MP023	Breeding Raptor Survey; Faughary	05/09/2025	06:27	Meadow Pipit	3	bogs and improved agricultural grassland; flying, calling	NM
SN041	Breeding Raptor Survey; Faughary	05/09/2025	06:29	Snipe	1	bogs; flushed, alarming	NM
SN042	Breeding Raptor Survey; Faughary	05/09/2025	06:34	Snipe	1	bogs; flushed, alarming	NM
MP024	Breeding Raptor Survey; Faughary	05/09/2025	06:35	Meadow Pipit	12	bogs; flushed, flitting, perched, calling	NM
MP025	Breeding Raptor Survey; BR12	05/09/2025	06:41	Meadow Pipit	1	bogs; flying, calling	NM
SN043	Breeding Raptor Survey; BR12	05/09/2025	06:43	Snipe	1	bogs; flushed, alarming	NM
MP026	Breeding Raptor Survey; BR12	05/09/2025	06:46	Meadow Pipit	1	bogs; flying, calling	NM
SN044	Breeding Raptor Survey; BR12	05/09/2025	06:56	Snipe	1	bogs; flushed, alarming, landing within moorland downhill	NM
MP027	Breeding Raptor Survey; BR12	05/09/2025	07:00	Meadow Pipit	58	bogs; flying, calling, perched, flitting, scattered within moorland adjacent to brvp throughout, some further away. numbers rough, max flock - 9	NM
LB001	Breeding Raptor Survey; BR12	05/09/2025	07:19	Lesser Black-backed Gull	9	improved agricultural grassland, highly modified/non-native woodland and scrub/transitional woodland; travelling, swooping, off site, moving within glen towards l. melvin	NM
SN045	Breeding Raptor Survey; BR12	05/09/2025	08:36	Snipe	2	bogs and improved agricultural grassland; travelling, calling	NM
SN046	Breeding Raptor Survey; Faughary	05/09/2025	09:56	Snipe	1	bogs; flushed, alarming, dropping back into moorland	NM

MP028	Breeding Raptor Survey; Faughary	05/09/2025	09:59	Meadow Pipit	3	bogs and improved agricultural grassland; flying, calling	NM
BZ004	Breeding Raptor Survey; Faughary	05/09/2025	10:01	Buzzard	1	conifer plantation; circling, soaring	NM
MP029	Breeding Raptor Survey; Faughary	05/09/2025	10:05	Meadow Pipit	32	bogs, improved agricultural grassland and scrub; flitting, calling, perched, scattered within area surrounding wf entrance	NM
MP030	Breeding Raptor Survey; Dough Mtn.	05/09/2025	10:20	Meadow Pipit	32	bogs; flitting, calling, perched, scattered within moorland adjacent to summit (trig pillar and sheepfold)	NM
SN047	Breeding Raptor Survey; BR11 approach	05/09/2025	10:29	Snipe	1	bogs; flushed, alarming	NM
MP031	Breeding Raptor Survey; BR11 approach	05/09/2025	10:35	Meadow Pipit	51	bogs and semi-natural grassland; flitting, calling, perched, flying, scattered across moorland. numbers rough, max flock - 5	NM
SN048	Breeding Raptor Survey; BR11 approach	05/09/2025	10:37	Snipe	1	bogs; flushed, alarming	NM
SN049	Breeding Raptor Survey; BR11	05/09/2025	10:44	Snipe	1	bogs; flushed, alarming, departing, frantic flight	NM
SN050	Breeding Raptor Survey; BR11	05/09/2025	11:11	Snipe	1	bogs; flushed, alarming, landing within moorland	NM
MP032	Breeding Raptor Survey; BR11	05/09/2025	11:20	Meadow Pipit	90	bogs; flying, calling, perched, flitting, foraging	NM
SN051	Breeding Raptor Survey; BR11	05/09/2025	12:39	Snipe	2	bogs; travelling, calling, moving north towards vp3 area	NM
MP033	Breeding Raptor Survey; BR11 retreat	05/09/2025	14:15	Meadow Pipit	43	bogs; flitting, calling, flushed, flying, scattered across upland moorland. numbers rough, max flock - 7	NM